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HIGH TIMES

DECEMBER 1988

CHEF RA'S
Guide to
Jamaica

POLYMERS:
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**THE GREAT
DRUG WAR**

by Arnold Trebach

**READER'S
HARVEST
REPORT**



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ENERGY EFFICIENT GROW LIGHTS

METAL HALIDE—(balanced growing spectrum)

All systems include assembled ballast, bulb, reflector, 15' lamp cord & 8' power cord.

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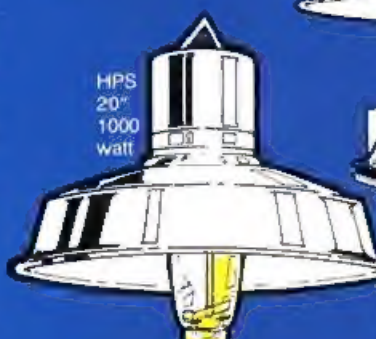
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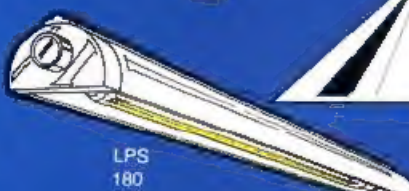
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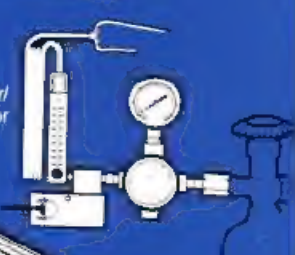
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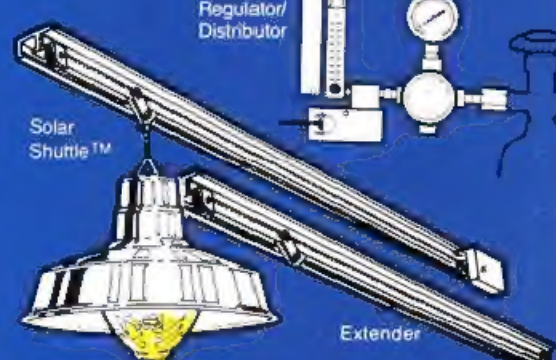
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Mamie Van Doren busts out!
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HIGH TIMES

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"Cross-cultural understanding is my primary goal," says Chef Ra, who can fill a room with positive vibes faster than any man alive. Whether he's throwing darts at the Illini Inn, placing bets at OTB, or cookin' up a mushroom omelette, The Great Ra lives every moment with zen-like enthusiasm. His talents are many, from Rasta philosopher and turtle-trainer extraordinaire to Cajun chef, fisherman, lover, and reggae deejay.

When Hurricane Gilbert began beating down our necks, it didn't surprise me that Chef Ra kept a cool head. Hopping into our rental car he took off for the supermarket to stock up on important supplies: cold beer, cheese, eggs, bread, candles, matches, and plenty of herbs. Two hours later, the roads in Negril were completely blocked by fallen trees. Without Chef Ra's quick thinking, our post-hurricane dinner would have been pretty meagre.

Little is known about Chef Ra's origins, and the mysterious chef prefers to keep things that way. Having known him personally since 1963, however, I can assure you his credentials in the counterculture stretch way back. (At the infamous 1972 Republican National Convention, for example, he served as Jane Fonda and Bobby Seale's "bodyguard.")

Aside from appearing each month in HIGH TIMES, Ra has a weekly radio show every Thursday from 8 to 10 pm on WEFT FM, 90.1, Champaign-Urbana, Illinois. He also leads an annual guided tour to Jamaica. (For tour info write Chef Ra c/o HIGH TIMES, 211 East 43rd, New York, NY 10017.)

Ra's hurricane story starts on page 23; his guide to Jamaica appears on page 44. Rumor has it he'll be leading a psychedelic bus tour of the country this summer, so look for him in your own hometown. Even better, send him an invitation to your "ultimate party."

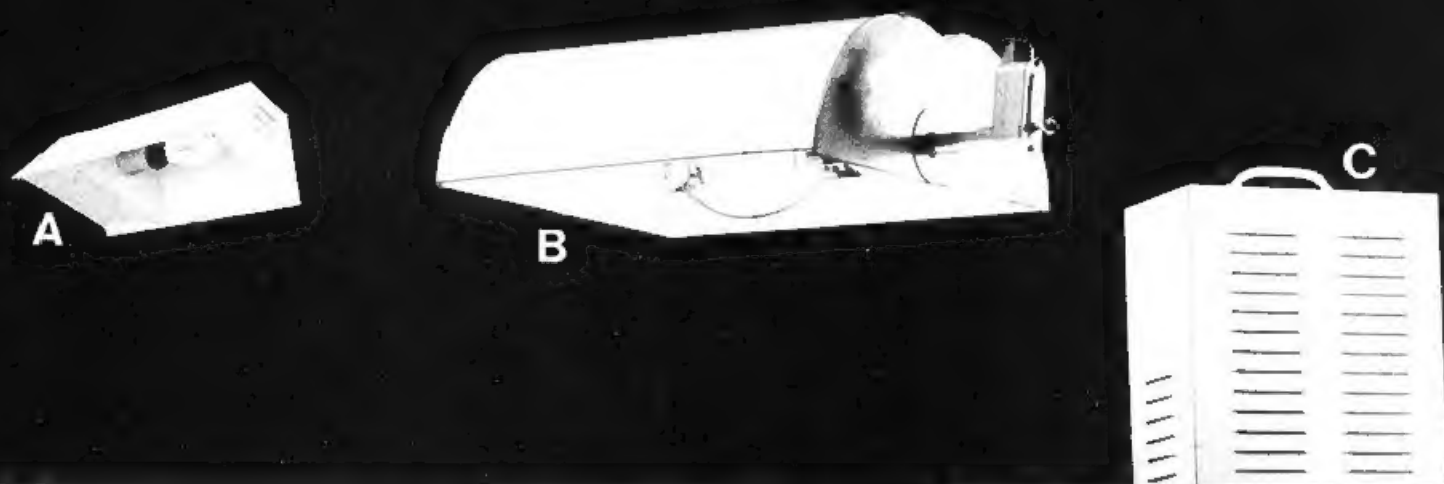
Happy Holidays

Steve Hager

Steve Hager
Editor-in-Chief

Chef Ra





THE FACTS ARE IN HAMILTON'S GROW LIGHTS ARE THE NEW #1 IN THE U.S.A.

Only Hamilton has been honored for having its' horizontal lighting systems exhibited at the 1988 Hydroponic Society of America convention

A good grow light is the key to indoor growing success

It is well known that Metal Halide and High Pressure Sodium full spectrum lights, especially in a horizontal reflector system, are the best lights to promote good plant growth and to increase bud and flower production.

Fluorescent lights are too weak and too inefficient to supply enough light for budding and flowering (as in PHOTOTRON). Ten 40-watt fluorescent tubes (400 watts) would give only a fraction of the light intensity of a 400 watt Metal Halide or High Pressure Sodium Lamp and would be too costly, would require too much electricity, and would give mediocre results.

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Hamilton's aerospace design staff engineer has perfected the ultimate horizontal reflector:

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Comparison of Ballast Enclosure Design

Hamilton Technology

38 bi level louvers, 3 way

Competitor A

12 louvers

Competitor B (no louvers, slot type)

Better safe than sorry

Many poorly designed lighting systems become fire hazards with increased use. Hamilton uses UL approved heavy-duty, high temperature resistant lamp cords and connectors. Our lamp cords are not only 220° F./600 volt but have an "STO" safety and durability designation. For utmost safety, lamp cords are connected 4" away from the socket through a protective conduit and junction box to prevent fire from lamp heat build up. Our Metal Halide 1000 Deluxe System includes a 15 amp protective circuit breaker with an on / off control switch.

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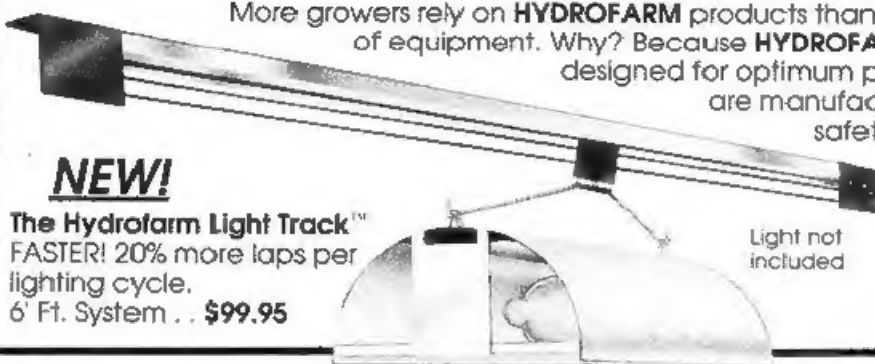
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- Hang vertical lights only
- Motor drips; needs oiling
- Weak one wheel carrier
- One year guarantee only

HYDROFARM SOLO GEOLITE SYSTEM

Professional quality automated Ebb & Flow with Geolite in a single unit size. 2' x 2'. Includes nutrients, pump, timer, etc.
\$69.95



SUN CIRCLE™ \$199.95

Get more coverage with this rotating device that moves two lights in a full circle. Blend lights for optimum results. Exclusive horizontal hanger bars included at no extra charge. (Lights not included.)

One-arm Sun Circle **\$139.95**

Three-arm Sun Circle **\$259.95**



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Recommended for seedlings and cutting starts, low ceilings. Same spectrum as the sun.
Box of six 48" tubes **\$74.95**

Other grower-proven **HYDROFARM** products also available (see catalog): • 45" Vertical Reflector Systems • Hydrofarm Cutting Concentrate • Grow and Bloom Nutrients • Air Cleaner • Cutting Starter Kit • HPS Conversion Bulbs • Digital pH Pen • Vent Fans • Geolite • Rockwool • Mylar, etc.

SPECIAL OFFER

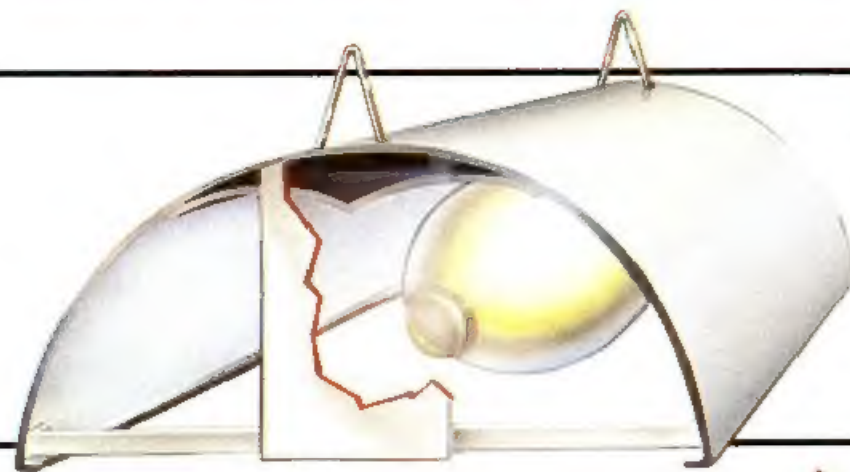
With every purchase of **HYDROFARM** products we are giving away a copy of **MEGACROP**, the latest book on increasing your yield. This offer is available at all participating authorized retail outlets as well as through phone and mail orders.



Why buy from us?

Applied Hydroponics has been the leading manufacturer of indoor gardening equipment since 1977. We are the oldest and the largest. Time tested and proven, our record for quality, reliability, and service speaks for itself; **HYDROFARM** brand products are the choice of more growers and retailers than all others combined!

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THE HYDROFARM GROW WING™ (pat. pend.)
Delivers more light intensity than any other reflector, horizontal or vertical!

- Horizontal system with double parabola design for the most efficient light reflection—*THE BEST!*
- Low profile for more vertical growing space
- Electro-white finish for permanent, uniform light distribution
- Strong steel construction for level lamp support
- Adjustable lamp position bracket
- **Safety-First** HYDROFARM wiring system.



MINI-HORIZONTAL

Choose 175 watt metal halide or 150 watt HPS system.

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- Built-in ballast
- Electro-white finish
- Ready to plug into any 120V outlet. \$109.95



BALLAST (Included)
Improved design with double-wall steel construction, front and rear bi-level louvers, all UL components.

LIGHTING SYSTEMS

1000 MH	\$199.95
400 MH	149.95
1000 HPS	264.95
400 HPS	189.95

THE HYDROFARM QUANTUM™

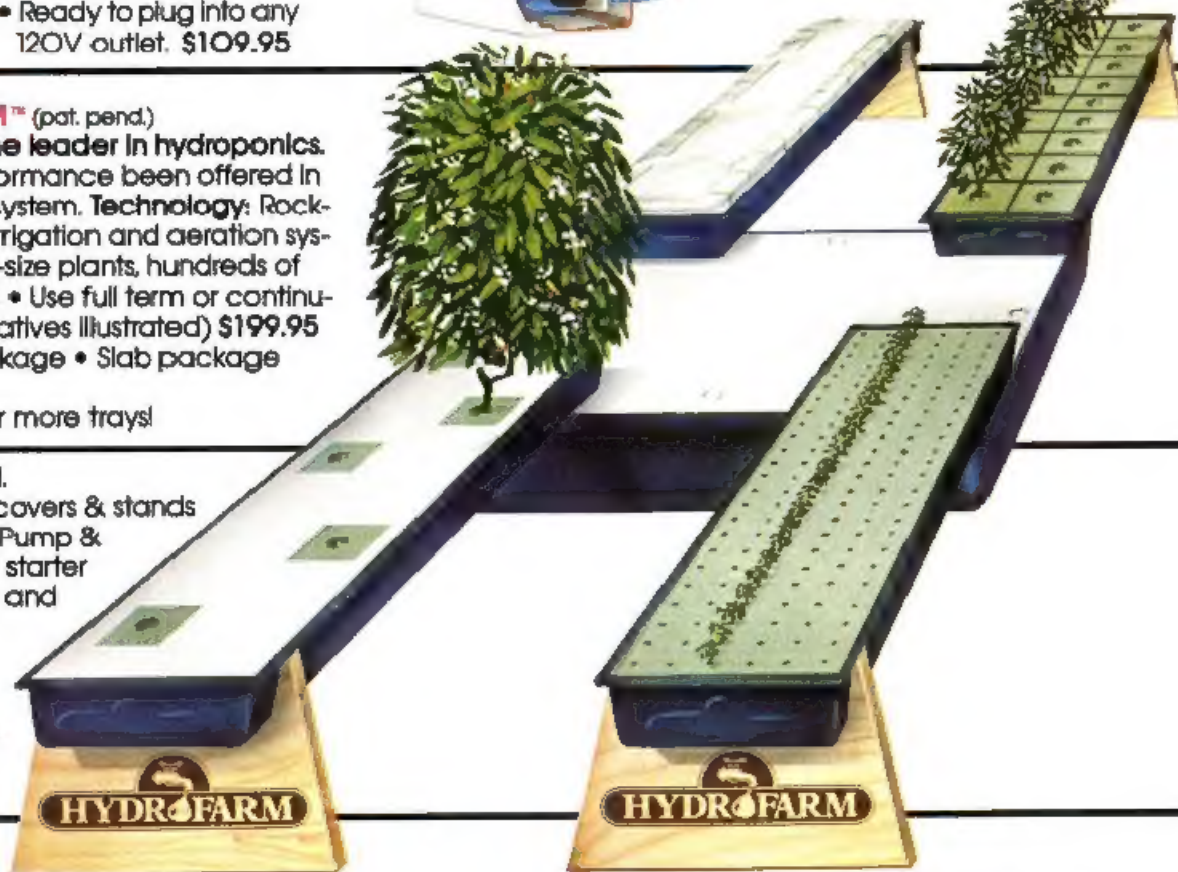
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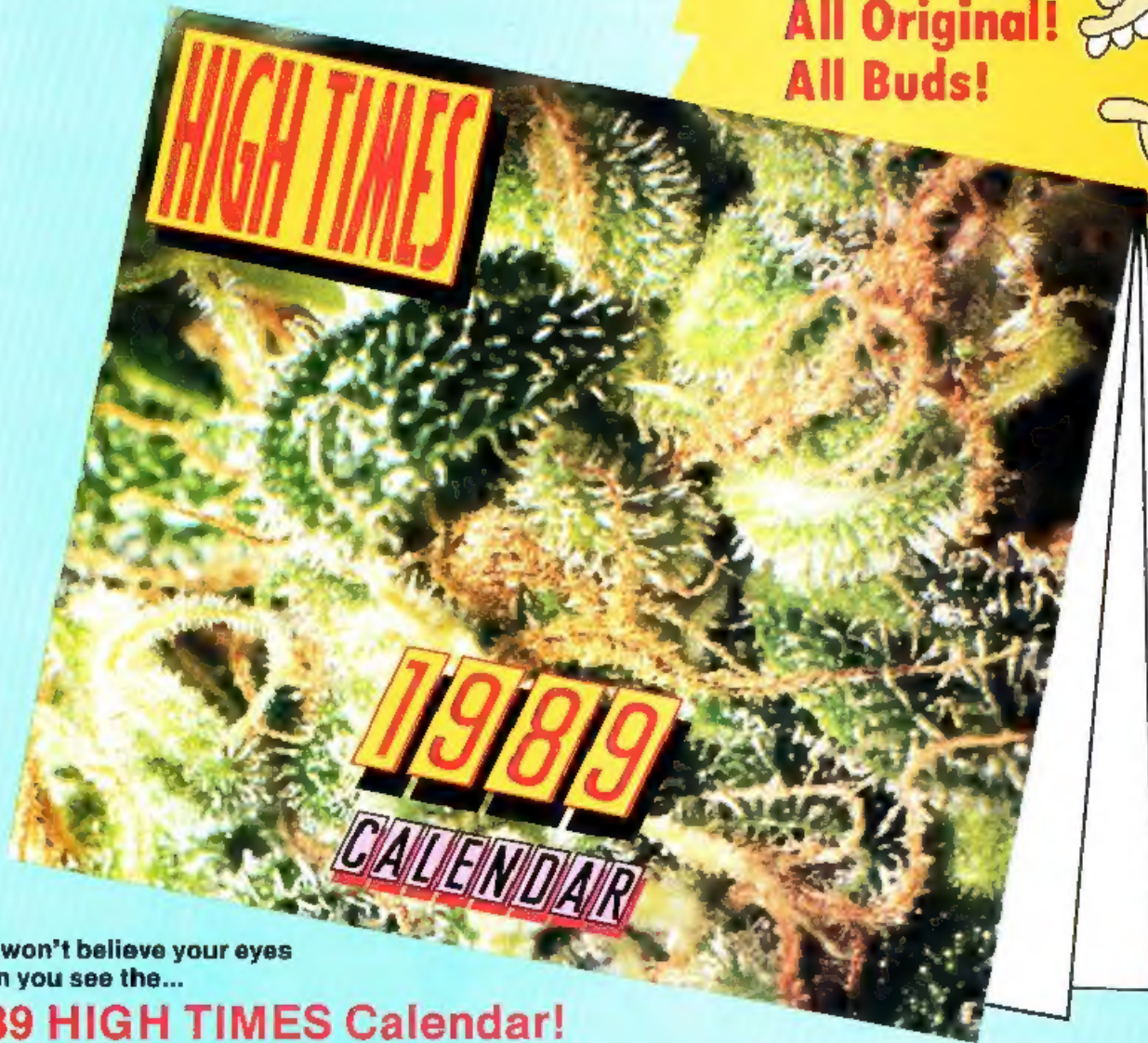


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METAL HALIDE COMPLETE GROWLIGHT SYSTEMS

1000 WATT SYSTEMS

DELUXE - 46" round or parabolic	
20" horizontal	184.50
STANDARD - 18" White Enamel Reflector	167.50
ECONOMY - 2"x3" Polished Aluminum Reflector	144.50
To upgrade to a 125,000 lumen-12,000 hour Superbulb	Add 15.00
Phosphorous coated bulbs	Add 6.00

400 WATT SYSTEMS

DELUXE - 14" White Enamel Reflector	134.50
STANDARD - 14" White Enamel Reflector	124.50
ECONOMY - 2"x3" Polished Aluminum Reflector	109.50
To upgrade to a 40,000 lumen-20,000 hour Superbulb	Add 10.00
Phosphorous coated bulbs	Add 6.00

MINI-MIGHT METAL HALIDE 175 WATT



HIGH PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 1000 Watt 46" round or parabolic 20" horizontal	269.50
DELUXE 400 Watt 14" Reflector	189.50
MINI-MIGHT 150 Watt (16,000 lumens)	99.00

LOW PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 180 Watt Low Pressure Sodium Light	195.00
---	--------

LIGHT MOVERS



6" Solar Shuttle	99.00
6" Solar Shuttle Extender	29.95
Solar Shuttle Motor	22.00
Whirling Light Turret	119.00
Sun Circle Light Rotator 360°	
One revolution every 40 minutes.	
1 Arm	139.00
2 Arm	199.00
3 Arm	256.00

TIMERS

Paragon 15 amp/120 volt	14.95
Dayton 15 amp/120 volt	19.95
Dayton 40 amp/120 volt	37.95
Dayton 40 amp/240 volt	39.95
Cycle Timer 1-60 min. on/off	79.00

BULBS

METAL HALIDE BULBS

M175 - 15,000 lumens-20,000 hours	29.00
M400 - 34,000 lumens-20,000 hours	36.95
MS400 - 40,000 lumens-20,000 hours	45.95
M1000 - 110,000 lumens-12,000 hours	54.95
MS1000 - 125,000 lumens-12,000 hours	69.95
Phosphorous Coated Bulbs	Add 6.00

HIGH PRESSURE SODIUM CONVERSION BULBS



Now available. An energy saving sodium bulb that runs off your existing Metal Halide ballast.	
175w 15,000 lumens-24,000 hours	59.00
400w 50,000 lumens-24,000 hours	69.00
1000w 140,000 lumens-24,000 hours	139.00

HIGH PRESSURE SODIUM BULBS

LL150 - 15,000 lumens-24,000 hours	39.00
LL400 - 50,000 lumens-24,000 hours	52.95
LL1000 - 140,000 lumens-24,000 hours	94.95

LOW PRESSURE SODIUM BULBS

180 Watt 33,000 lumens-24,000 hours	95.00
-------------------------------------	-------

We're celebrating our 10th Anniversary with a 5% discount on all items. Plus a 5 year warranty on all lighting systems. (One year warranty on bulbs.)

VITA LITE

4-ft power twist 40 Watt	13.95
Case of six	75.00

REFLECTORS

(complete with socket and cord)

46" polished aluminum or white	49.00
20" horizontal	49.00
20" adjustable white	40.00
18" white	30.00
14" white	25.00
48" Parabolic hood	49.00
4"x4" square polished aluminum	115.00
5"x5" square polished aluminum	130.00

BALLASTS

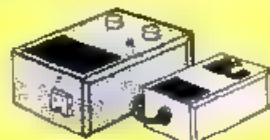
Metal Halide Ballasts (110v or 220v available)	
Deluxe 1000w (includes power supply)	15.00
Star 1000w	105.00
Econ. 1000w (uncovered)	97.00
Deluxe 400w (includes power supply)	95.00
Star 400w	85.00
Economy 400w (uncovered)	70.00
Ballast cover	10.00
High Pressure Sodium Ballasts (110v or 220v avail.)	
Deluxe 1000w	170.50
Deluxe 400w	125.50

HYDROPONIC SYSTEMS

4 unit hydrospol.	208.00
8 unit hydrospol.	295.00
Each additional hydrospol.	16.00

SUBMERSIBLE PUMPS

#2P495-120 GPH.	37.95
#P553-140 GPH.	39.95
#P321-300 GPH.	56.95

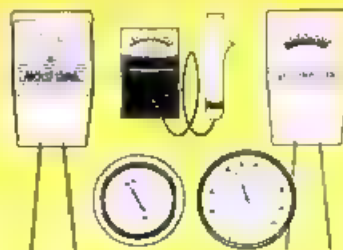


SURGE SURVIVAL SYSTEM

Command Module with one Remote Module (120 or 240 volts)	139.00
Additional Remote Modules (120 or 240 volts)	ea 45.00

METERS

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Dissolved Solids Digital Meter	75.00
Light Intensity Meter	24.99
Plant Computer	9.95
PH Computer	19.95
Soil Salts Meter	20.99
Moisture Meter	11.95
MINIMAX Thermometer	32.95
Taylor 4" Barometer	39.95
Fertilizer Analyzer	20.99
Humidity Gauge	21.95
Deluxe Humidity and Temperature Gauge	36.95
CO ₂ Gas Detector System (2 analyzer tubes incl)	19.95
CO ₂ Analyzer Tubes	3.75
CO ₂ Tester	8.99



SOIL AND LIQUID TESTERS

Sudbury Soil Test Kit (Tests Ph, N, P, K)	14.95
Sudbury Soil PH Tester	3.99
Tetra Test Liquid PH Tester	3.95
Wardley Jr. Liquid PH Tester	3.95
Wardley Sr. PH Test Kit	5.99
Penn Plax Test Strip for Liquid PH	2.75

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Ventilator fan with Thermostat (14" 900 CFM)	69.95
Squirrel Cage-15 CFM	21.95
Squirrel Cage-50 CFM	29.95
Squirrel Cage-100 CFM	43.95
Squirrel Cage-160 CFM	54.95
Squirrel Cage-200 CFM	69.95
Squirrel Cage-265 CFM	69.95
Squirrel Cage-320 CFM	74.95
Squirrel Cage-465 CFM	70.95
Squirrel Cage-525 CFM	69.95
Squirrel Cage-960 CFM	159.95
Thermostat	19.95
Auto Flo-Humidistat	34.95

CO₂ SYSTEMS

CO ₂ Regulator/Distributor	139.00
E.S.U. CO ₂ Generator (up to 500 sq. ft.)	324.00
Johnson CO ₂ Generator (up to 4800 sq. ft.)	499.00

CHARCOAL FILTER SYSTEMS

Skunk Buster #100	109.00
Skunk Buster #200	169.00
Skunk Buster #400	225.00

NEGATIVE ION GENERATORS

Aurease	49.95
Pulsair	99.00



GROWING SUPPLIES

Mylar (Double-sided 99% reflectivity)	
4"x50" roll	29.00
4 x100' roll	49.00
Mini Grow House	14.95
Rock Wool	
2"x2" Cubes	20
3"x3" Cubes	39
3"x4" Cubes	49
40 In Bale	39.00
Rock Wool Slabs	
3"x6"x3"	4.99
3"x8"x3"	6.99
3 x12"x3"	10.99
Grow Bags	
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5 Gallon Grow Bag	59
7 Gallon Grow Bag	65
10 Gallon Grow Bag	69
Alga Liche	
1 quart	6.95
1 gallon	16.99
Safer Soap Insect Spray	
8 oz spray	2.99
8 oz concentrate	6.75
Rodone Hormone Rooting Powder (4 oz.)	1.69
Jilly 7 Peat Pellets (2 doz)	2.40
Whit Plant Protector (Keeps leaves from burning)	
14 oz Spray	5.49
1 pint concentrate	8.99

BLACK GOLD FERTILIZER

All Organic 15 cu. ft	8.99
Pure Earthworm Castings 20 quarts	13.95

NUTRIENTS

GreenLeaves All Purpose Liquid Nutrient ideal for all stages of growth. Use with soil or hydroponic systems.	
12 oz bottle	3.95
1 gallon	19.95
Super Bloom Liquid GreenLeaves 10-40-10	
12 oz bottle	5.95
1 gallon	24.95
E.S.U. Dry Concentrate - concentrated water soluble fertilizer, 1 teasp. per gallon, 1 pound makes 100 gallons.	
Grow (20-6-16) Bloom (9-21-12) All Purpose (16-12-16)	
8 oz.	3.95
5 lbs.	19.95
25 lbs.	79.00

ROOTING FORMULA

Great Roots - Super liquid rooting formula (with rooting hormones and minerals) 2 part	
13 oz. total	14.95

BOOKS

Gardening Indoors	4.95
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Highest quality products at lowest prices

METAL HALIDE: Best for fast plant growth.

MH 1000 Watt Basic System (Reg. \$182) \$139.95

High quality, assembled, QUIET, open ballast; 20' lamp cord; power cord; socket; 110,000 lumen / 12,000 hr bulb. (For SUPER BULB, 14% brighter add \$14.00)

MH 1000 Watt Professional System (Reg. \$210) \$165.95

Choice of 24" Horizontal or 48" Parabolic reflector (for MAX-88 reflector add \$9.95) High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 110,000 lumen / 12,000 hr bulb. (For SUPER BULB, 14% brighter, add \$14.00)

MH 1000 Watt Deluxe System (Reg. \$238) \$179.95

Choice of 24" Horizontal, 48" Parabolic, or MAX-88 reflector. High quality, assembled, QUIET, ventilated ballast box with GROUNDING 8-OUTLET ON-OFF CONTROL. 15Amp PROTECTIVE CIRCUIT BREAKER. 20' lamp cord. 110,000 lumen/12,000 hr bulb. (For SUPER BULB, 14% brighter, add \$14.00)

MH 400 Watt Deluxe System For small area up to 4'X4' (Reg. \$151) \$124.50

Choice of 24" Horizontal or 48" Parabolic reflector (for MAX-88 reflector add \$9.95) High quality, assembled, QUIET, ventilated ballast box. 20' lamp cord; 34,000 lumen / 20,000 hr bulb. (For SUPER BULB, 18% brighter add \$10.00)

COMBINATION MH/HPS HORIZONTAL SYSTEM \$299.00

Perfectly blended lights. 24" Horizontal ventilated super-reflective, electro-white aluminum reflector with 2 bulbs: a MH 400 & a HPS 400; QUIET remote, ventilated ballasts. (For MAX-88 reflector add \$9.95) (For MH 1000 & HPS 400 add \$69.00)

HIGH PRESSURE SODIUM: Increases budding & flowering

HPS 1000 Watt Deluxe System (Reg. \$317) \$255.95

Choice of 24" Horizontal, 48" Parabolic, or MAX-88 reflector. High quality, assembled, QUIET, ventilated ballast box. 20' lamp cord. 5KV socket, 140,000 lumen / 24,000 hr bulb. Our most powerful light for flowering.

HPS 400 Watt Deluxe System (Reg. \$215) \$174.95

Choice of 24" Horizontal or 48" Parabolic reflector (For MAX-88, add \$9.95) High quality, assembled, QUIET, ventilated ballast box. 20' lamp cord. 50,000 lumen / 24,000 hr bulb.

MINI-HORIZONTAL: MH 175w OR HPS 150w (Reg. \$119) \$95.00

Compact yet powerful, 20"X10" X6" electro-white, built-in ballast, economical to operate.

Grounded Light Timer, heavy duty, 15 Amp (Reg. \$20) \$14.50

LIGHT MOVERS: More light coverage to grow more plants.

Motorized Lite Track™-Double your light coverage (Reg. \$99) \$93.95

Best single light mover. 8' track covers up to 8'X10' (EXTENDER for 2nd light \$38.95)

SunCircle2™-Increases flowering by a blend of MH&HPS \$187.95

Two lights rotate continuously in full circle: coverage 8'X8' up to 12'X12'

SunCircle3™-Eliminates hot and dark spots (Reg. \$280) \$245.00

Three lights rotate continuously in full circle: coverage 10'X10' up to 15'X15'

HYDROPONICS: Our customers say their plant yields are three times greater and two times faster with Hamilton's automated "flood/drain" HYDROPRO system. Roots are provided maximum direct nutrition and aeration without soil. No soil pests, no soil odors, no weeding!

HYDROPRO SINGLE™: ideal for 4 adult plants, min. 2'X2' area (Reg. \$85) \$59.95

Includes: pump, grow & bloom nutrients, timer, pH test kit, Jiffy 7, manual, etc.

HYDROPRO 4™: grow up to 16 adult plants, 3'X9' or 8'X8' area (Reg. \$199) \$187.95

Includes: submersible pump, grow & bloom nutrients, timer, pH test kit, Jiffy 7, manual, etc.

NEW HPS BULBS - That work in metal halide systems!

1000 Watt (Reg. \$140) \$129.50 400 Watt (Reg. \$70) \$59.50

CO₂ Enrichment System: Increases growth by 40% (Reg. \$150) \$137.95

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DIGITAL Dissolved Solids (Conductivity) PEN (Reg. \$97) \$58.95

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HORIZONTAL
12% more light than
ventilated, adjustable
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THE ULTIMATE HORIZONTAL
DOUBLE AREA for greatest efficiency

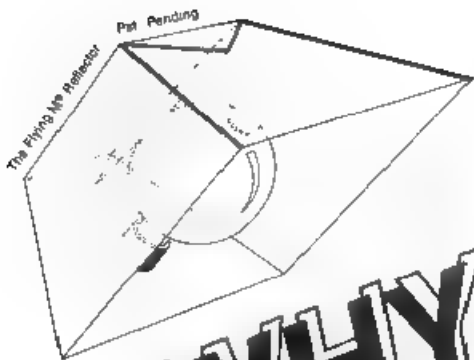


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One year ago we developed the Tandem 4® system, using both Sodium and Halide lamps in ONE horizontal fixture. Almost immediately, one other supplier copied us, and, of course, they called theirs "THE BEST." What is the truth behind all these claims? We bought every-one's reflector and spent a lot of time measuring.

THESE ARE THE TEST RESULTS:

*All tests conducted under identical conditions, with no ambient light. We used a GE Model 214 light meter, which is color and cosine corrected. We used identical lamps and ballasts, and lamps were always hung 40" from the floor to the centerline of the arc tube, and always allowed to warm up for 20 minutes. 21 measurements were taken one foot apart over a 10' x 10' cross pattern and the readings averaged, in order to get a single number from which to compare. Ask for complete report.

AVERAGE FOOT-CANDLES IN A 10' x 10' AREA*

Supplier/Reflector Type	1000w HPS	Rank	400w HPS	Rank
GEOTECHNOLOGY Flying M®	1040	1	405	1
Company A	929	2	356	3
GEOTECHNOLOGY Standard Reflector	905	3	346	5
Company B	871	4	352	4
Company C	850	5	320	7
Company D	844	6	380	2
Company E	802	7	315	8
Company F	755	8	325	6
Company G	NA	NA	312	9
Company H 4' vertical reflector	641	9	NA	
Company I 4' vertical parabolic	549	10	NA	
GEOTECHNOLOGY Tandem 10®	1535	1		
GEOTECHNOLOGY Tandem 4®	NA	NA	692	1
Company B	NA	NA	602	2

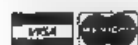
(Sorry, we can't print the names of each company. But you can call or write for a complete report, with names.)

The only reason you buy a light is to get the most illumination in your working area. There is only one "BEST." Now you know which one it is!

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ORDER FORM

SYSTEM	PRICE	SHIPPING (per system)	TOTAL COST (per line)
1000 watt metal halide with standard reflector	\$198	\$27	
1000 watt metal halide with Flying M® reflector	257	30	
400 watt metal halide with standard reflector	138	21	
400 watt metal halide with Mini M® reflector	197	24	
1000 watt HP sodium with standard reflector	264	32	
1000 watt HP sodium with Flying M® reflector	323	35	
400 watt HP sodium with standard reflector	198	25	
400 watt HP sodium with Mini M® reflector	257	28	

FINAL TOTAL: \$



NO MORE CHEMICALS!

I truly feel HIGH TIMES is not doing enough to advocate total organic cultivation. Your statement on Page 6 claiming that commercial pot grown today is an organic product (August '88) is not completely true. Many growers use chemical fertilizers and growth aids. The folks growing with hydroponics should try using a diluted form of fish emulsion (5-2-2). Since the chemical runoff from farms is destroying our lakes and rivers, isn't it about time to get back to the basics?

—M D

Cleveland, OH

HOARY OLD TIMES

While we do sorely need a magazine to counteract the orthodoxy of the media regarding drugs, HIGH TIMES unfortunately substitutes an orthodoxy of its own for the one it refutes. While managing to avoid being hysterical or preachy, HIGH TIMES puts out a message which is still less than the total voice of sanity and reason we need. You push the hoary old theory of pot growers as peaceful. The truth is pot growers are responsible for a great deal of violence. It's time to drop the mythology and treat the drug situation with realism.

—F.N.

San Francisco, CA

MORT MARSHALL

Okay. I've finally figured out what James Marshall is. He's a Mort Downey-type critic who thrives on hate mail! I just read his Buck Owens review. I'll agree that Buck deserves a lot of credit, but why the assault on Merle Haggard? I've been playing in dives and honky-tonks for the

LETTERS

Send your gripes, questions, personal thoughts, and occasional compliments to: HIGH TIMES "Letters," 211 East 43rd Street, NYC 10017. Unless otherwise indicated, proper names are printed with initials only to protect the innocent, so sign your favorite pseudonym. And use a phony return address.

last 14 years, and the "hog" has always stayed at the top of my list. So fuck Marshall. I know your game now!!!

—Papa Drew

Worthington, KY

I hate to be just another reader bitching about James Marshall, but he really is the worst part of your magazine (by far). I consistently find myself getting angry (increased heartbeat, clenched fists, etc.) every time I read his column. He likes to make people mad and he likes hate mail. He's not the kind of person I would like to talk to or be friends with. I don't even want to read his writing.

—Al (American Farmer)

South Suburban, IL

P.S. The only reason I regret writing this is because it probably makes J.M. happy. I would be interested in knowing who on the H.T. staff likes Marshall.

BIG BEAL

I really enjoyed John Holmstrom's interview with Dana Beal on Ibogaine (Sept. '88). Being a detoxing heroin addict, it sound like a miracle cure. Thanks.

—E B

Middletown, CT

I found the Dana Beal interview quite interesting. However, consider his closing statement: "If you look at the effects of getting drunk versus getting high on pot on your ability to drive home, you see pot is the safest drug there is." Couldn't this be construed to mean it's okay to smoke pot and drive? Marijuana is a mind-altering drug and does nothing to enhance one's ability to drive. I urge you to discourage anyone from using any mind-altering drug (including alcohol) and driving. I think advertisements along this line would be a true public service.

—Hank

Kingston, NY

INFO PLEASE

I was wondering if you could turn me on to some information. The American

Indians and Rastafarians use peyote and ganja in a religious setting. I would like the names of some attorneys who have been actively involved in defending these religious groups against unwarranted government harassment. Specifically, my interests are in growing and storing mushrooms, peyote, and ganja for ceremonial use.

—Ammond Shadowcraft

Colorado Springs, Colorado

Is there an attorney in the house?

GO TO CHINA!

I have been reading your rag for years now and must say I have enjoyed every issue. But your August '88 issue really pissed me off. Tell Serenus to take his Mao Tse Tung doctrine and shove it. If you people think that communism is the answer—go to China! Tell Joe Bartos to go fuck himself. I'm a conservative and I smoke pot. I live in a wheelchair thanks to the good Chairman Mao. Because without him we never would have had a Korean War. What would happen if everyone, everywhere, at a certain time, walked outside their homes and lit a joint? Think BIG, people. Be proud of the USA and what it stands for. Never give up.

—Dangerous Dan

Charleston, SC

Dan's got a good idea. How about a national smoke-in next fall?

What sort of leadership do you have down there? I can easily see the Attorney General claiming the August '88 cover is proof HIGH TIMES is run by commies. I'm a Marine Corps veteran. My headgear shows an eagle, globe and anchor, not a red commie star. Sell that shit to the Viet Cong, son, I'm not buying. Are you all good party members or what? Either you are communists, you are being manipulated by organized crime, or you are just plain stupid. I don't need it.

—Jambox

Atlanta, GA ●

THE
BEST
OF

HIGH TIMES

SPECIAL CULTIVATION ISSUE

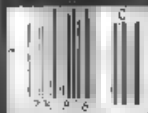
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Inside Cannabis Castle • Care and Feeding of
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• Secrets from S.S.S.C.

PLUS • Bonus articles never before published:
How to Grow 'Shrooms Indoors, and
Ruderalis, Friend or Foe?



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he would (3) SELECT one or two that had the most pronounced characteristic of size or shape or scent or color or whatever he wanted and (4) use only the seeds from the plants he selected in the next generation. The seeds were left in the soil for a year or two, and then he would select the best ones and use them in the next generation. In this way, he would gradually build up a new stock of plants, from a few generations to hundreds of generations, and Mr. Bullock would release the final seed stock to the rest of the world.

the final seed stock to the rest of the world.



importantly (3) "NUTRIENT PERIOD" (length of time under a given nutrient configuration were studied)

[illegible]

water. The amount of root surface area exposed to the soil solution is a function of the amount of root surface area that is produced hydroponically water based, as when the roots are buffered against excess concentrations by a soil medium.

AT A WASH. STATE COLLEGE, used by Dr. Hodgson, such as perlite, vermiculite, and sand have no buffering action on Ca^{++} or K^{+} EXCHANGE CAPACITY. The Ca^{++} EXCHANGE CAPACITY of the medium is the ability that we have to ABSTAIN FROM EXHAUSTING THE PLANT OF ITS RESERVE SUPPLY of these nutrients. Plants have a type of "buffer" and know it is possible to extract more of nutrients thus producing thousands more square inches of leaf surface per square foot of soil area used. It is the efficiency of the plant that is the key factor.

The newly available literature is largely in the form of book chapters and review articles, and has such as the gas liquid chromatographic

It is possible that the technology in use today would have been designed by someone in the preceding 2,000 years.



Three things are required to grow plants pyraponometically: 1. A laboratory grade growth chamber known as the PHOTOTRON. 2. A specific METHODOLOGY for plant growth and manipulation. 3. A very specific NUTRIENT SUPPLY COMPUTER DESIGNED BY EARL PERKINS, M.D. (EPM) for each individual PHOTOTRON. The exact nutrient calibrations are individually calibrated based upon two soil samples taken from the phototron: one after FORTY FIVE DAYS of plant growth and one after 90 DAYS of plant growth — ONLY TWO ARE REQUIRED.

Pharmacognosy is the study of molecules produced inside plants. This type of study requires very sophisticated equipment like the Gas Liquid Chromatography (GLC), Thin Layer Chromatogram (TLC) and Atomic Absorption

In the disciplines of Botany, Horticulture, Plant Physiology, Soil Chemistry and Floraculture, a root to shoot to fruit ratio requires a large root and a large shoot to grow large fruit.

Growing plants hypermetabolically by exactly measuring all 21 environmental elements requires the plant to produce minimal root mass, a few stem nodal meristems, and maximize the number of budding sites and size of the bud flower at the

To develop the A (A), B (B), C (C), D (D), E (E), F (F), G (G), H (H), I (I), J (J), K (K), L (L), M (M), N (N), O (O), P (P), Q (Q), R (R), S (S), T (T), U (U), V (V), W (W), X (X), Y (Y), Z (Z) PLANTS PYRAMID, MITTAKALLY the marijuana plant was used because of its unique properties.

The PHC TOTTEN was designed to: 1) GIVE 6 PLANTS THREE FEET TALL IN 45 DAYS 2) Duplicate exactly the quality of the plant material, the seed name from 3) BE FLOWER AND BE BUD PLANT MATERIAL EVERY 45 DAYS UP TO 9 TIMES PER YEAR 4) NEVER KILL IN THE PLANTS YEAR AFTER YEAR 5) BE REMOVED FROM EVERY DAY (The system is designed for plant removal not containment) and 6) To produce 6.8 ounces of plant material every 45 days.

allowing Plants Pyraponically will revolutionize indoor plant production as we know it today. At PYRAPONIC LAB, RAT MILKs over 75 PHOTOTAXIS are used for new experiments. To date, PYRAPONIC LAB, RAT MILKs have successfully catalogued 17 varieties of flowering plants, 14 varieties of fruits and vegetables, 8 varieties of tobacco and will force flowers 365 days per year.

GROWTH PATTERN OF CUCUMBERS GROWN PYRAPONIMETRICALLY



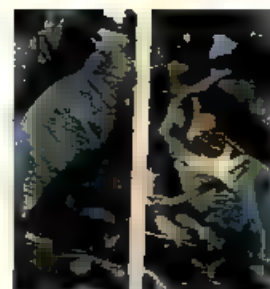
Typical testing pattern by Pyraponic Laboratories depicting the morphological differences of cucumbers grown under identical conditions except one nutrient level



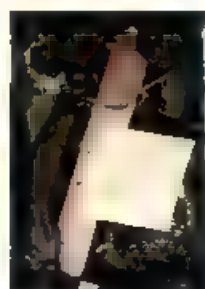
Plants nearing top of Phototron in less than 30 days



Plants filling the Phototron in less than 45 days



Tremendous flowering and fruiting less than an inch apart.



Normal fruit with a reduced root-to-shoot ratio

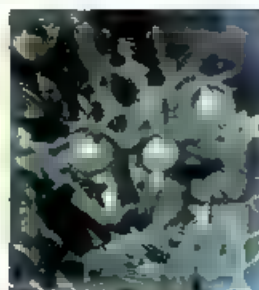
GROWTH PATTERN OF TOMATOES GROWN PYRAPONIMETRICALLY



Young tomato plants in vegetative stage



Young tomato plants beginning to flower and fruit



Fruiting less than an inch apart.

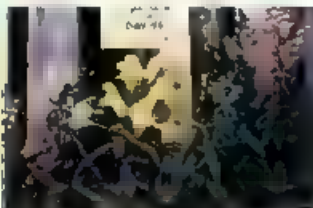


Normal fruit development with a reduced root-to-shoot ratio

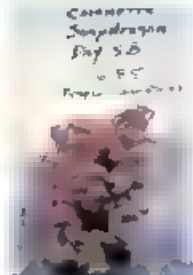


140 tomatoes harvested from 4 Phototrons in 150 days from seed germination

SNAPDRAGONS GROWN PYRAPONIMETRICALLY

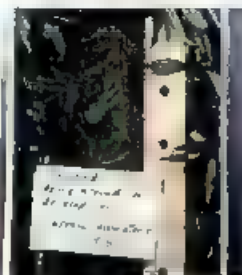


Day 46. Phototron jammed with flowering snapdragons

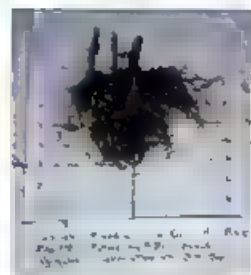


Day 58. Flower with reduced root-to-shoot ratio.

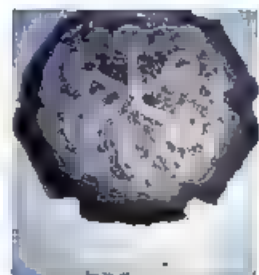
GROWTH PATTERNS OF ROOT SYSTEMS



Complete root system on the stem structures of flowering marigolds.



Pattern depicting the morphological difference of root system.



Mycorrhizal inoculated root system in base of unit on day 45

HERBS, VEGETABLES AND FLOWERS GROWN PYRAPONIMETRICALLY



Day 65. Herb garden of Parsley, Sage, Basil, Thyme and Chive



The hottest jalapa pepper grown anywhere in the world.



Corn development under high light intensity of Phototron.



Normal salvia still flower after more than 1 year old.



Normal marigold size produced with reduced root-to-shoot ratio

No. 160



Dec. '88

HIGHWITNESS NEWS



Steven Hager

MADTOWN!! 15,000 ATTEND POT PROTEST

One of the biggest crowds in the history of the marijuana protest movement turned out for the Great Midwest Marijuana Harvest Festival in Madison, Wisconsin on September 24, 1988. Although the local media downplayed the event, claiming only 7,500 people showed up, official police estimates put the number at a more believable 15,000. While many were locals, potsmokers came from as far as

England and Australia to attend the biggest marijuana event of the year. Last year's record crowd was estimated at 10,000.

Although most who attended the event were there to get high and have a good time, many participants made it clear they were protesting pot prohibition, especially the Omnibus Drug Law and its \$10,000 fine.

The demonstration began with a rally, held on the University of Wisconsin-Madison Library Mall, and featured speeches by NORML National Director Jon Gettman, "Ask" Ed Rosenthal, Tom Alexander of *Sinsemilla Tips*, Safe Drugs activist Dana Beal, Jack Herer, author of *The Emperor Wears No Clothes*, and Harvest Festival organizer Ben Masel. After speeches, music by three rock bands, and countless joints, the crowd illegally marched on the State Capitol, where hundreds of protesters joined the rally. There, an impromptu demonstration of sign-waving, more pot-smoking and chanting slogans took place for hours, while twelve uniformed police kept watch.

Twenty people received citations, most of them for underage drinking before the march took place on the State Capitol grounds. Read next month's HIGH TIMES for a more detailed account of the event, and a full report on the 1989 pot protest scene.

—John Holmstrom

ACTIVIST ALERT: CONGRESS IN UNCONTROLLABLE DRUG FRENZY!

Though it might become a moot point by the time you guys get to read this (post-election day), an antidrug-crazed congress is at this writing making a very public show about bulling through a thoroughly obnoxious piece of legislation demurely called The Omnibus Antidrug Bill. To call it unconstitutional would be doing it a disservice—kinda like labeling Adolf Hitler a little tough on minorities.

What this is about, simply, is election year politics. Congress-swine of every political persuasion, and from every corner of this drug-dependent land of ours, have realized that a steel-rigid hard-on against The Great Drug Menace is the greatest piece of self-aggrandizing campaign posturing to come along in years. Just sit back and watch these simpering dickbags go at it, railing righteously against the vicious Drug Kingpins of those mysterious Cartels (pick your favorite Colombian city) who are Killing Our Youth and Castrating Our Future! And now, here's a bill for them to get behind, to stand up, vote, and show how se-

rious and committed to the antidrug crusade they really are.

The House of Reprehensibles passed their version of this scurrilous shit on September 22. The Senate is still dithering with theirs, and you can be sure it'll come up for a vote before November 8. Once that happens, it's anybody's guess what'll come next. A Joint Senate-House committee will have to consolidate the two versions before it's passed on to the Big Guy for his signature, you can be sure that if Reagan's still there, he'll not hesitate to scribble on it. Ditto for Bush if he's in the Oval Office at the time, and probably also for the Greek Guy as well (Ron Paul would undoubtedly shoot the messenger). If that goes down, there's no way the US can ever again pretend to be a country as free as its own Constitution guarantees (a situation analogous to the USSR).

Briefly, what this legislation promises is an unprecedented crackdown on all users of all "illegal" drugs. All those convicted of simple possession would face

suspension of drivers licenses (states that don't follow this line will have their federal highway funds hacked), denial of public housing (eviction if they're already there), student loans and grants, and most other forms of US government assistance. The bill also tosses money around for numerous antidrug police actions, but provides little for educational or rehabilitative programs. But by far the worst aspect of the bill is the provision for okaying illegal searches for and seizures of contraband, and the admission of such evidence into court—if the cop doing the shakedown has "an honest belief that he will find drugs." Huh? This stunning bit of police-state business invests the cop on the street with powers previously only granted judges: making a determination on the legality of a search. So much for the Constitution.

One hopes that once election fever has passed, these dim bulbs will brighten up and realize what they're about to perpetrate. Several have already expressed doubts (NJ Rep. William J. Hughes said the bill has clauses of "dubious constitutionality"—but voted for it anyway), and perhaps with a barrage of rational, responsible hate-mail from you guys out there, they'll back off. Get those cards and letters out, boys and girls!

—LS

A FIELD GUIDE TO NORTH AMERICAN CONSERVATIVES

BY JOE BARTOS

The Narrow Minded Bible Thumper

religious extremists

Bible Thumpers are among the most common of conservatives. They can often be seen burning books, bombing abortion clinics, or entering homes across America lecturing about the evils of heavy metal records, R-rated movies, and malted beverages.

Bible Thumpers are noted for their fierce resistance to contemporary trends such as scientific inquiry, civil rights, and dancing with members of the opposite sex.

Their range has been curtailed somewhat by an extreme aversion to sexual intercourse. Ministers with TV shows are an exception, and can be aroused by large cash contributions or church secretaries ready and willing to receive God's love.

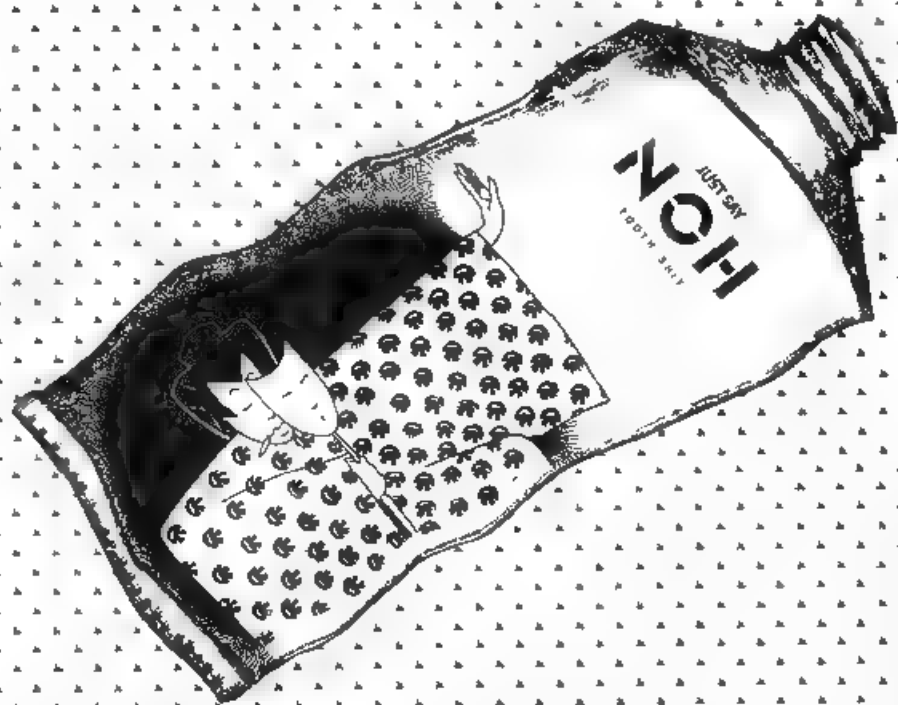


ONE MAN'S DOPE

JUST SAY NO, THERE'S NO MORE MONEY

by Dean Latimer

It began as image-scrubbing for Nancy Reagan, then became a foundation sucking on the federal-funding teat, and finally ended up as a Procter & Gamble merchandising scam...



As the 1988-89 school-term began this fall, children all across America were offered an experience in education unparalleled since the 1950s: the opportunity to publicly demonstrate their precocious commitment to correct thinking and upright behavior by signing loyalty oaths.

"I pledge to lead a drug-free life," goes the 1988 version of the loyalty oath, to be sworn by millions of children aged eight to sixteen. "I want to be

happy and healthy. I will say no to harmful drugs." Children everywhere are being encouraged to memorize the oath long enough to scrawl it down onto a piece of paper, sign their names to it, and send it to Nancy Reagan, Honorary Chairperson of the Just Say No Foundation, Inc., at the Foundation's Washington DC post office box. Children may send as many copies of the pledge as they wish to Nancy, though only one lucky oath-taker from each state will



eventually be selected to serve as a parade marshal at the historic Just Say No Walk in Washington next spring. Winners will receive round-trip transportation to Washington from the Walk's sponsors, Procter & Gamble, plus two nights in a DC hotel, and one hundred dollars in spending change.

All things considered, American school-children in the late '80s stand to benefit substantially more from Procter & Gamble's gala Back-to-School Pledge Drive than any of their parents ever got from the anti-communist loyalty-oath orgies of the McCarthy Era. Besides a long shot at a some-expenses-paid weekend in beautiful downtown Washington next spring, each of their parents will receive from Procter & Gamble a chance to clean up on purchases of Oxydol detergent, Downy fabric softener, Puritan oil, Luvs diapers, Folger's coffee, and Duncan Hines desserts. Discount coupons for all this Procter & Gamble household garbage are included in the mass-mailing P&G is sending out to households everywhere, along with copies of the oath, the contest rules, and the First Lady's photograph and signature, in envelopes bearing the letterhead logo of the Just Say No Foundation, Inc., of Walnut Creek, California.

JUST SAY WHAT, M'AM?

The brief but bumptious history of the Just Say No Foundation, from its high-hopes inception in 1985 to its hostile takeover by Procter & Gamble this year, provides a pretty apt example of what has transpired with all the putatively "anti-drug" grassroots lobbying outfits that latched onto the federal teat during the great Reagan-era War on Drugs media binge. "Just say no", of course, was the only safe slogan the advisers of Nancy Reagan could ever think up for her to preach, when they endeavored to soften her icy-white Republican empress public image by trotting her out before assemblies of ghetto children during top-visibility War on Drugs whistle-stop tours. After she'd been doing that for a few seasons, inevitably

CAPT. WHIZZO

it occurred to a bona-fide drug-treatment professional that maybe this "just say no" notion could be parlayed into a workable scheme of drug-abuse prevention for school kids—or at least into a seven-figure grant from the National Institute on Drug Abuse (NIDA).

This bona-fide drug-treatment professional was Tom Adams, before 1985 a director of the NIDA-funded Pyramid Project, which had earlier actually done some fairly respectable organizing work for NIDA. In 1985, though, with 90% funding by federal tax money (mainly from NIDA, through a cutout company in Vienna, Virginia, called the Pacific Institute for Research and Evaluation), Tom Adams started up his visionary Just Say No Foundation, Inc., with a handsome multi-million-dollar budget.

The theoretical underpinnings of the Foundation's "drug-prevention" strategies were never very clearly or

House Select Committee on Narcotics Abuse and Control assigned the General Accounting Office (GAO) to investigate why it was, exactly, that none of these illustrious antidrug outfits could ever seem to vanquish their pathetic dependency on federal tax money.

The GAO report, issued in February 1988, observed that some of Just Say No's techniques were clearly adapted from several recognized antismoking attitude-modification strategies which had been seen to work effectively, on a broad social scale, since the mid-'70s. "The Just Say No program itself, however, has never been subjected to rigorous evaluation," the investigators regretfully reported. They spoke of concern within the Department of Health and Human Services that these antismoking strategies "may not transfer to the drug area" very readily, and cited HHS predictions that "the strategy will not produce enduring results beyond the short term." Finally, with truly

The degeneration of the Just Say No Foundation's noble-minded do-gooder mission, delirious as it was from the start, into a venal toothpaste-promotion caper by Procter & Gamble was inevitable from the first day in 1986 that Tom Adams hit up P&G for donations. When the canny P&G sales-promotion people realized that they could identify the company's household products with the President's fantastically popular wife, merely by mass-mailing out their discount coupons and other promotional trash with Nancy's Just Say No evangelistic literature, and reach soap-consuming households everywhere, they bought into the Foundation aggressively.

P&G bought into Tom Adams' tiny do-gooder outfit so big that by early 1987 they were bossing him around, and none too respectfully. "While we are excited at the opportunity to teach kids to stay drug free," P&G promo hack Paula Goldman sharply cautioned Adams in a memo she sent him on 23 March that year, "we remind you that our primary objective is to build the business. Our JUST SAY NO pledge campaign will only work for JUST SAY NO if P&G sales and P&G customers become excited at the opportunity to get involved and help!" [Exclamation point in original.]

Adams had been impolitic enough to offer the use of Nancy Reagan's "Just Say No" imprimatur to other corporations in the household-garbage field, so P&G was putting its foot down. "The Foundation," decreed Goldman, "must continue to eliminate 'competitive' JUST SAY NO activity like Hill's Mr. Big paper towels, and do everything to minimize the presence of the already-planned 'Ziplock' sandwich bag promotion..."

Thus chastened, Tom Adams discontinued contracting Nancy Reagan's promotional prestige out to P&G's competitors. Since P&G was paying the Foundation a miserable \$150,000 for the exclusive rights to the Just Say No insignia, this is a tacit illustration of how much ardor those other corporations could work up for the glorious War on Drugs of the 1980s in its most passionate heyday.

Once P&G's publicity mavens got onto it, though, they rode the Just Say No hobbyhorse plumb ragged. When their 1987 Back-to-School Pledge Drive piled up nearly two million signed children's pledges in the "Nancy Reagan" post office box, P&G resolved to physically drag the First Lady herself into the 1988 promotion. Last March they directed the Foundation's Ivy Cohen to draft a letter which Nancy could sign, which would circulate to school superintendents.

continued on page 29

* If anybody knows how to lay hold of a "Just Say No" Ziplock, could they please send me one? Will treasure it forever and ever. —DAL

"The degeneration of the Just Say No Foundation's do-gooder mission into a venal toothpaste-promotion caper was inevitable...."

systematically articulated in print by Adams. Using mailing lists garnered from various other "Parents Power" antidope outfits that were enjoying federal funding, Adams managed to contact enough drug-troubled households around the country to set up no less than 1500 "Just Say No Clubs." Children in these "clubs" were encouraged to sign written oaths to abstain from drug-taking and other objectionable behaviors, following a dubious theoretical scheme called "contractual therapy", practiced by drug-treatment quacks from coast to coast. The unfortunate children in these troubled households were further indoctrinated through the Foundation's "Three Steps to Say No"—a sawed-off adaptation of the infamous Twelve Steps of Alcoholics Anonymous, but pointedly abandoning AA's crucial religious-conversion Step, in order to keep federal money flowing in.

But the federal money to the Just Say No Foundation was automatically reduced every fiscal year after 1985 anyhow, since the initial NIDA/Pacific Institute windfall had been clearly marked as "start-up" cash. By 1987, when the Foundation was assailing the government with frantic sob stories of its extreme impoverishment (along with every single other Parents-Power nuthatch the Reaganauts had started up), Congressman Charles Rangel of the

pulverizing discretion, the GAO concluded, "The strategy may not have applicability to all segments of the population, since the research to date has been restricted to white, middle-class populations."

TOOTHPASTE UBER ALLES!

But if the ministrations of Tom Adams' original Just Say No Foundation were largely directed toward middle-class suburban white brats, the reformulated target envisioned by the new proprietors—Procter & Gamble—is more like a comic-strip caricature of Little Lord Fauntleroy. "Millions of schoolchildren across the country will be signing pledge cards to just say NO! to harmful drugs," exuberates a P&G promotion for the great Back-to-School Pledge Drive of 1986. (In P&G's flack literature, the adjective "harmful" always precedes the noun "drugs", obviously so as to distinguish pot, crack, junk, etc., from the innumerable helpful drugs on the national household garbage market, like Empirin and NoDoz.) P&G's 1988 Back-to-School oath-signing binge is to be accompanied by "organized school rallies and Pledge Drive events in cities across the country" all in a somewhat intricate campaign to peer-pressure schoolkids into embracing the notion that publicly signing loyalty oaths is a positive and liberating gesture.

HIGH in the EYE!

An eyewitness account of the devastation of Hurricane Gilbert

by Chef Ra



ANDRE GROSSMANN

Negril, Jamaica, September 13th, 1988.

When HIGH TIMES Editor-in-Chief Steve Hager asked me to lead a tour of Jamaica in September, I told him exactly what I thought of the idea.

"That's hurricane season, mon! Let's go in December after the harvest comes in!"

"Naw," he explained. "We need something for the December issue. Aside from the Grateful Dead issue, your face on the cover of HIGH TIMES sold better than anything else last year, so the publisher wants you on the cover again. Our lead time is four months, so we gotta go in early September."

Up until the day we left, I kept a close watch on the weather situation. Cable News Network was running hourly reports on tropical depressions in the Caribbean. A storm was building over warm waters in the Atlantic. On September 2nd, the day before we left, the depression abruptly dissipated. Things weren't ready to happen—yet.

It rained briefly on Saturday, September 3rd, the day we landed in Montego Bay. The weather for the following week was perfect: sunny skies, gentle winds, calm seas. On Friday, I ran into an American tourist on the beach.

"There's a hurricane coming," she told me. "Looks like it's going to hit after the

weekend."

Since we were scheduled to fly out Tuesday, I prayed for a delay in the storm. But the local residents didn't seem too worried, so why should I care? No one was boarding up windows or anything. Negril is for partying, not worrying. I just forgot about the warning.

On Monday, September 12th, I woke up around 10 A.M. It was misting outside. Strange low-flying clouds were pouring out of the eastern horizon and heading west with ominous speed. I turned on the radio just in time to hear the words "Hurricane Gilbert."

The storm was expected to hit the other side of the island sometime during the day. "Whew," I thought. "Surely, the mountains between Kingston and Negril would have a calming influence by the time Gilbert reached me." My self-confidence was greatly shaken, however, when I turned on my light switch. In preparation for the storm, the power for the entire island had been shut off.

After breakfast, the HIGH TIMES contingent held a brief meeting. Since we were split up at two resorts—Summerset Village and Xtabi—there was considerable debate over what to do and where to go. I insisted we needed to head into town to pick up supplies. So we piled into our

rent-a-wreck and drove to the Fisherman's Club. However, as soon as I pulled out of the driveway at Xtabi, the rain started to pour.

As we rounded a curve close to the ocean, the car was battered by a heavy gust of wind.

"Turn back, turn back," said Steve. "The hurricane's comin'."

"No problem, chief," I replied. "This is Rambo time. Charge!"

Andre Grossmann began beating my shoulder with a stick while jumping up and down in the back seat. Steve grabbed the stick and threw it out the window. After the wind hit 50 miles per hour—and a few banana trees alongside the road blew over—everyone began yelling and screaming.

We pulled into Fisherman's to discover the place being boarded up. Fortunately, they were still open. We stocked up on food, candies, and cold drinks. News reports over the radio urged everyone to take shelter immediately, as the storm was expected to hit Kingston at any moment.

"Our rooms at Xtabi are right on the ocean," said Steve. "I don't want to get hit by the tidal wave. Let's go to the thatch house at Summerset!"

"Stop the car!" yelled Andre. "I'm not going to Summerset unless my cameras come with me!"

"Forget the cameras, this is a hurricane!"

"Halt! I will not desert my equipment!"

I drove to Xtabi, parked and waited 20 minutes for Andre and Steve to collect 200 pounds of camera gear and load it in the car.

On the drive to Summerset, I wondered how our British roommates—who were sharing the 4-bedroom house with us—would react to the arrival of the entire HIGH TIMES crew.

You see, Pau, Rudolf, Dr. Quality, and I were sharing the thatch house with some really nice blokes from England who drank all day but had never smoked a joint in their lives. So far, our paths had barely crossed.

We arrived at the thatch house to find no one home. I checked the bar and found all the Brits hanging out drinking—all 30 of them. Everyone seemed in great spirits.

"Oh boy," said an Englishman. "We get to see a real hurricane."

I went back to the thatch house, smoked a joint and watched everyone carefully stash their belongings in Pau's room. The rain stopped and everyone grew bored. Dr. Quality fell asleep.

"Let's go down to the water and check out the hurricane surf," said Steve, who seemed to be alternating between intense fear and equally intense curiosity.

We rolled a few spliffs for the ride, piled into the rent-a-wreck, and drove to the cliffs overlooking the ocean.

continued on page 40

THE UNITED STATES: OUTLAW NATION



THE IMPORTANCE OF BEING EARNEST: TOWARD A REAL FOREIGN POLICY

AP/WIDE WORLD PHOTOS



HEIL AUGUSTO! Chile's Pinochet (flanked by torpedoes) waves bye-bye to the Presidential Palace (we hope).

by Ed Rosenthal

The United States has been floundering in the foreign policy sea for the last 25 years. This column is far too short to allow the listing of very many of this country's foreign policy faux pas and disasters, but a short list would have to include the Vietnamese War, support of the Shah of Iran, the sending of troops to Lebanon, the Pinochet coup in Chile, support of the fascist colonels in Greece, and backing Marcos in the Philippines.

A few common threads run through all of these blunders:

Decisions were based on erroneous information

A small right-wing clique entrenched in the State Department and the Pentagon was responsible for calling the shots.

In each case, the policy makers supported dictators, rather than the popular sentiment of the people.

Each incident left the US sitting in the slime.

US foreign policy is made with little consideration towards the wishes of either American citizens or citizens of the lands that it plans to mess with. Instead, special interest groups control the government's actions. These groups, usually corporations which do business with the affected countries, are not interested in the big picture, just their own narrow self-interest.

The two most overt examples of this were the coups directed by the US against the democratically-elected governments of Chile and Greece

Chile had a long history of democratic process, which is unusual in Latin America. In 1970 a left-leaning reformer, Salvador Allende, was elected. Within months, the US started undermining his government. It began by interfering with the nation's economy, and secretly channeling funds to groups opposed to Allende. Finally, it explicitly supported the actions of a small fascist military clique which eventually led a bloody coup against the government. A Chilean Army General, Augusto Pinochet, soon took control, and the country has been under his thumb ever since.

The democratically-elected Allende was attacked by the US because he planned to nationalize some industries controlled by American corporations. One of them, International Telephone and Telegraph (ITT) had links with the CIA, and helped them to funnel US government funds to the violent opposition.

Since Pinochet took over, Chile has suffered greatly. The first thing the US-backed regime did was round up everyone suspected of being a "subversive"—a catch-all classification that included political activists, community organizers, labor and student leaders, and social workers. For months they were kept in a large stadium and systematically in-

terrogated, tortured, and sometimes killed. Many others were "disappeared". As a result, the country suffered a mass exodus of intellectuals and professionals, who were either afraid of or opposed to the new regime. The Chilean economy went into such a steep decline that it has only recently reached pre-Pinochet levels of production. The standard of living still has not recovered.

Spawned by the US, General Pinochet is one of the world's worst criminals—in the same league with Pol Pot of Cambodia and Idi Amin of Uganda. He is directly responsible for the death and torture of thousands, and the wrecking of the country's entire infrastructure. He is a perfect example of how US policy messes up due to its control by special, anti-democratic business interests.

Eventually Pinochet will be gone*, and what happened in Greece will probably happen in Chile. In 1967 the US supported the overthrow of a democratically-elected government whose policies the US disliked. By 1974 the government of the colonels had collapsed and its leaders were put in jail. Still, the Greeks have had a hard time forgetting the horrors they endured because of the US.

Today, the United States faces hostility from a number of nations that it has dominated in the past for its own special interests. Iran is considered a "kook" nation, governed by a zealot. But it is a strategically located country, bordering the Soviet Union with a population of over 40,000,000. For years, the Shah, an associate of the CIA, (which had overthrown his democratically-elected predecessor, Premier Mohammed Mossadegh) drained the country financially and disregarded any pretense of citizen participation in government. As a result, the US is regarded as the "devil incarnate" by the fundamentalist population.

For fifty years, Nicaragua suffered under rule by generations of the Somoza family. Somoza was so venal that he owned blood donor banks in Nicaragua for export to the US—he was literally selling his people's blood! Now the US acts as if the Sandinista government is composed of crazed Commie fanatics. Yet it is the closest thing to a freely-elected government the Nicaraguans have had in decades. Without a doubt, the Nicaraguan people will consider the US an enemy for many years.

The United States must reverse its disastrous foreign policy. Instead of developing close relationships with unpopular, dictatorial regimes, it should encourage democracies. Southwest Asia would be a good place to start.

India and Pakistan are "rival" coun-

*Perhaps sooner than we might think. Years of economic turmoil and widespread public unrest have forced the aging General to call for elections, albeit only a yes-no plebiscite.

tries, both of which gained independence from Great Britain in 1948. Since that time, India has had a succession of democratically-elected governments while Pakistan has been ruled by one dictator after another. The last one, General Zia, a megalomaniac, was recently killed with the American ambassador in a mysterious airplane explosion. Zia had overthrown and executed the previous dictator, Bhutto, who had been elected as a result of rigged elections. No matter—the US has been friendly with all Pakistani dictators. These men were willing to go along with US foreign policy programs in return for massive aid, much of which was diverted to their personal use. Democratic India, which has preferred to go its own "non-aligned" way, has been viewed with suspicion and hostility by most US administrations.

By tilting towards dictatorships the US may gain a few concessions in the short run, but ultimately, allying with unpopular despots causes far greater problems. When the dictator is replaced or overthrown the people's rage is invariably directed at the US.

The US also has an unreliable intelligence network. Intelligence services such as the CIA and National Security Agency (NSA) are responsible for both gathering information and taking action, which is like being both jury and prosecutor. It is hard to stay unbiased when you are actively involved in a situation. Iran is a perfect example: the CIA had such a close working relationship with SAVAK (the Iranian secret police), that US agents were the first to know that the Shah was about to fall. CIA agents were reporting on a crisis in which they were players. Their reports put everything, especially their own efforts, in the best light possible rather than portraying the reality of the situation. Since CIA agents tend to be very right-wing, even their "objective" intelligence has an ideological slant that makes it unreliable.

Government relations are like relations between individuals in many ways. A person who has a lot of enemies has problems. It is harder to do business, so the person is hurt economically. Should the person require help in an emergency, it is not necessarily there, and worst, enemies may all gang up when the person is weak. The more enemies the US makes, the harder it will be for it to get along in a competitive economic environment.

The world order is changing. During the heyday of the American empire, the US could bully its way around, but it no longer has the power to make all the rules. Instead, its relations with other countries must be based on mutual respect. Making deals with dictators is a poor substitute for developing relationships with governments that represent the genuine aspirations of their people. ●

ZERO TOLERANCE BOMBS OUT IN EVIL EMPIRE

by Dean Latimer

The latest subversive street joke in Moscow involves a blue-collar *Muzhik* factory worker who gets so fed up after hours of standing in line before a state liquor store in a blizzard that he stalks off, swearing to assassinate Comrade Mikhail Gorbachev. A few hours later he appears again, disgusted and dejected, and falls back in the end of the liquor line. The line to murder Comrade Misha, he says, is even longer than the liquor line.

Street talk about assassinating Soviet strongmen is not taken lightly in the Evil Empire. As a result of disgusted popular stories like this, and some bleak talk from Soviet economists, the Politburo is moving rather swiftly now to relax all the ferocious legal disincentives that were placed on alcohol consumption in 1985, when the messianically teetotaling Gorbachev took over the Central Committee. Taverns that were closed down then are reopening now, giving overjoyed Muscovites someplace to go in the dreary Arctic evenings. Suddenly grocery stores are allowed to sell wine and champagne and beer again, and so the health of Comrade Misha is being toasted with enthusiastic Russian sentimentality in households everywhere. It is even confidently expected that sugar stores, which have been atrociously sparse over the last three years of colossal moonshining, will stock up to overflowing in a couple months, when the Cuban harvest comes in.

For three years now, all the official organs of state propaganda in the Soviet Union have been engaging in a tremendous campaign against intoxication, following Gorbachev's ultra-righteous "zero tolerance" line (he actually coined the term in 1985, long before it was taken up by American antidrug crusaders). The propaganda against drug consumption has been particularly fierce and hilarious. In 1986, a Party-sponsored hack for *Komsomolskaya Pravda*, the so-called youth paper, spoke in hushed tones of inspecting a poppy field near Kiev and finding it littered with used syringes—as if drug addicts were somehow going out to poppyfields all over Russia, collecting the opium from the buds, extracting morphine out of it and acetylating it into heroin, fixing it up, and leaving their works behind to infect blue-eyed Soviet children with AIDS.

The anti-alcohol campaign, though, has been less than amusing to even the most long-suffering Russians. The extravagant state-determined price of legal liquor is bad enough—ten rubles (over \$16 US) for a meager half-liter of legal

vodka. But the Politburo-imposed scarcity of liquor stores makes necessary waits of up to four to six hours, in the hideous Russian weather, and of course the people waiting in these lines are continuously jeered and heckled by self-righteous political toadies doing their part for Comrade Misha's grand anti-intoxication drive. Before this current reversal of the zero-tolerance propaganda, all the papers were full of jubilation about the conspicuous drop in public-intoxication arrests, alcohol-related illnesses, workplace absenteeism, and so on—figures that were undoubtedly cooked up by the reporters for Gorbachev's appreciation.

Now that the wind out of the Politburo has shifted sharply back toward toleration, *Moscow News* is openly explaining how the anti-intoxication drive only succeeded in creating a tremendous windfall of profits for bathtub distillers of *samogan* moonshine liquor, to which all the millions of serious Russian boozers were compelled to resort. This had the effect of creating a historic sugar shortage, as moonshiners bought up everything from refined cane sugar to candy bars and bon-bons for their *samogan*. It is also being revealed now that the figures for health problems related to solvent-sniffing and shoe polish-drinking have skyrocketed since 1985.

Party-sponsored poet Yevgeny Yevtushenko is publicly credited with spearheading the drive against zero-tolerance, after his public comment last fall "The first harsh anti-alcoholism measures came as positive shock therapy. But you can't have daily shock therapy. The society's nervous system will collapse."

In all truth, though, Yevtushenko's poetic comment was preceded in time by a thoroughly exasperated memorandum to Comrade Misha from his favorite state economist, Nikolai Shmelev, pointing out that the government was losing over 20 billion rubles every year in alcohol revenues. All that money, it could be confidently diagnosed, was going into the hands of professional criminals, who could be expected before long to have bribed and corrupted so many government officials that eventually Gorbachev's administration would be even more thoroughly corrupted than Leonid Brezhnev's ever was.

The disestablishment of the zero-tolerance policy comes none too soon for Comrade Misha. People were beginning to mutter "*Perestroika*, no vodka and no sugar." ●



TRANS-HIGH QUOTATIONS MARKET



Anchorage, AK

Uncle Billy's Posy "paralyzing body high, one hit does the job!" \$200 oz, \$600-650 1/4-lb.

Big Bud "good smell and taste, nice high," \$200 oz \$650 1/4-lb. California Orange "smells good!" \$190-200 oz, \$600-650 1/4-lb.

Jamaican "skunky, coffee smell: tastes good" \$200 oz, \$650 1/4-lb.

Durban hash (Durban poison x Hash Plant) "time green buds; smells like cat piss, stoney," \$65 1/4-oz; \$200 oz, \$650 1/4-lb. Thai weed "some seeds" \$1800 1 lb blocks.

Commercial dirt weed "seeds, more seeds," \$45-50 1/4-oz, \$150 oz, \$400-450 1/4-lb.

LSD green emerald, blue diamond "green is the better buy," \$5 a hit, \$150 a sheet.

Greeley, CO

Local red hair "no good, made me so paranoid while driving that I drank bong water after seeing a policeman," \$45 1/4-oz.

Homegrown "best around, can't go wrong, but the supply is short," \$20 1/4-oz; \$65 oz.

LSD: blotter "hard to find but worth the hunt," \$8-9 a hit

Miami, FL

Krypto bud "groovy buds," \$70 1/4-oz. Jamaican "killer shit!" \$30 1/4-oz.

Green bud "getting scarce!" \$35 1/4-oz. Shut weed "who cares?" \$25 1/4-oz. LSD pigs, pyramids, blank, ha-has, and worlds "don't feed the walls!" \$5 a hit.

Naples, FL

Diesel weed "looks like dirt, lots of seeds; tastes shitty."

\$10-15 1/4-oz. 'Shrooms freshly picked; bitchin' shit," \$10 gm. Fresh green shake "good buzz, doesn't last long," \$25 1/4-oz.

Southern IL

Dark green/sternmy buds "not bad, good buzz," \$35 1/4-oz.

Howe, IN

Compressed Jamaican "good shit, Maynard!" \$40 1/4-oz. Colombian "good bouquet, lots of seeds," \$30 1/4-oz. Green red hair sinse "good value and good buzz," \$35 1/4-oz. Brown orange hair sinse "kicks ass, half day high!" \$35 1/4-oz. Homegrown Indiana ditchweed "terrible taste, average buzz," \$15 1/4-oz.

Florence, KY

Hybrid Northern Lights clones "very sticky!" \$200 oz.

Send quotations to: THMQ, 211 E. 43rd St., New York, NY 10017. THMQ is intended solely for informational purposes. All entries should be typed or neatly written: If you are unable to compose a legible entry after testing your samples, please wait until you have control of your penmanship before sending us your information. Marijuana is listed by 1/4-ounce, ounce and pound prices only. Don't bother sending prices for hard drugs. Prices in this issue are current as of September 19th, 1988.

Hash Plant "one hit and lights out, I call it the hammer!" \$60 1/4-oz.

Owensboro, KY

Afghan skunk "Wow!" \$250 oz.

Red haired sinse "good high" \$50 1/4-oz.

Bullshit Mexican weed \$25 1/4-oz.

Brooklyn Park, MD

Jamaican blocks "expensive, but rather tasty," \$1850 lb.

Bedford, MA

Commercial herb \$45-60 1/4-oz. Colombian gold "ultra scarce but gets you retarded," \$100 1/4-oz. LSD "becoming the drug of choice; half a hit is plenty!" \$5 a hit.

Germantown, MD

Local-grown Hawaiian "heavily high: the best around, limited to those with connections," \$75 1/4-oz, \$300 oz. Brown Mexican "the worst, moldiest dirtweed possible, if you haven't smoked for two months, you

might get high."

\$30 1/4-oz; \$110 oz

Mexican buds "brown and moldy; somebody must need cash, don't buy it—it's not worth the price," \$50 1/4-oz, \$200 oz.

Homegrown shake "seedless and stemless, very green in both color and taste, seemingly unbrutated quantity, very popular due to the price," \$15 1/4-oz, \$50 oz. (fills 1 1/2 ziplock baggies)

Blond hash "at long last! the best around in years, very powerful, upscale high, must know somebody!" \$4-10 gm.

Black hash "very low quality, but the poor ignorant souls are eating the stuff up," \$8 10 gm.

LSD: blotter, gold stars, pink flamingoes "some real good available," \$4-6 a hit

Marblehead, MA

Red hash "great buzz, doesn't bog you down," \$10 gm

Black hash "good buzz, but the red tastes better," \$10 gm.

Washington, MI

Black hash "from Canada, better than average" \$10 12 gm. Killer Skunk "two-hit shit!" \$40 1/4-oz, \$500 1/4-lb.

Hawaiian buds "fruity taste; fluffy buds," \$50 1/4-oz.

Commercial brown "tons of seeds; very harsh, too dry,"

\$20 1/4-oz, \$75 oz. Zombie weed "one hit and you're stoned!" \$200 oz.

LSD: blotter "micro blue stuff, melts your brain," \$5 a hit. Purple mescaline "eight-hour buzz," \$2-3 a hit, \$55 for 50 'Shrooms "pretty weak, don't waste your time" \$7-8 gm.

Kansas City, MO

Commercial Colombian "dirty brown, poor to fair at best," \$20-30 1/4-oz.

Red haired sinse "excellent taste, soaring high," \$30-40 1/4-oz.

Mexican "up from the Ozarks; kind of skunky, good buzz!" \$25-35 1/4-oz.

Omaha, NB

Commercial brown "lots of junk,"

\$25 1/4-oz; \$275 1/4-lb.

Mexican red hair "tight buds; hashy taste, stoney," \$35-40

1/4-oz; \$350 1/4-lb. Homegrown indica "smells good but try before you buy," \$45-60 1/4-oz.

Blond hash "nice change, but overpriced," \$10 gm, \$210 oz.

Cocaine "some good, some bad, lots of snitches on the streets—watch out, dudes!" \$25 1/4-gm, \$100 gm.

New York City, NY

California outdoor indica/sativa "indica dominant, good high, calming smoke," \$350 oz.

Local indoor indica "lots o' resin glands; good ol' hydro-weed!" \$300 oz.

Maximum Northwest indica "night tripping shit, snooze away your daze!" \$400 oz. Eagle Thai "ass kickin', great!" \$260 oz.

Chocolate Thai "go for the Eagle—better taste!" \$180 oz.

California sativa sinse "disappointing taste, but powerful!" \$240 oz.

Jamaican "probably Colombian seeds, okay," \$140 oz. Colombian "bleech!" \$50 oz.

Jamaican "had better, this is too narcotic," \$70 1/4-oz.

Tex/Mex "alright!" \$70 1/4-oz.

Indica "uh-oh! the drought's on!" \$80 1/4-oz.

TRANS-HIGH MARKET LETTERS



ALASKA

I am stoned on kick-ass homegrown *sativa*. Out of six plants, three morphed early, resulting in mass seeds. Luckily, these three plants were under a 24-hour exhaust fan. They shriveled up and died after pollinating themselves. The other three did well, and I am enjoying the effects of one of those three right now.

The Alaskan scene is not as cool as you might think. We are allowed to have up to four ounces, but if you have it in separate bags, you're busted! If you have some in your car or transport it in any way, you're busted! If you sell it to your friends, you're busted! The cops do have a harder time busting people, as "The Drag" must have proof that you have more than four ounces in your home, unless, of course, you are caught selling/transporting it. Then it's off to the slammer you go! Still, as bad as it is up here, it's at least 800% better than stateside.

—*Alaskan Bud Man*
Growin' in, AK

CALIFORNIA

I've enjoyed your magazine since the first issue. . . HIGH TIMES is the best! I find the mag more truthful than *Newsweek* and definitely more humorous! Here in Orange County, Southern California's bastion of conservatism, the yuppies are destroying every wide open space available, to put up yuppie-domes (some people call them condos) and massive lookalike housing developments.

Since Ron and Nancy's oh-so-effective War on Drugs, there has been a plentiful supply of good green Mexican sinsemilla, good-to-fair Thai, an increase in good-to-fine indoor grown *indica*

buds, and loads of cocaine. There is also a good amount of psilocybin around, to either buy or pick yourself. Let's see more articles on the newest psychedelics, huh?

—
Somewhere in CA

FLORIDA

I don't get high. I used to, but it just didn't fit my lifestyle. My girlfriend does, and I supply her with my homegrown. I grow only for the money, and I won't mess with anything but pot. I may be a minority, but around here I know a lot of people like me.

I love your mag except for one thing. I am not for legalizing marijuana except for small amounts. This would kill the market. If people don't want to pay high prices, let them grow their own. But if people making good money want some, let them pay me \$200 an ounce and not the government.

I also support closing the borders to incoming pot. This makes my homegrown even more valuable. Why import corn from another country when our farmers' corn sits in storage because they can't get a decent price for it? We should buy our own American-grown corn and quit buying government subsidized corn from other countries. Keep the money here, y'know what I mean?

—*Guerrilla Grower*
Bonifay, FL

ILLINOIS

I wish some good smoke would come to this area (just ten miles out of St. Louis, MO) more often—you'd think it would be better out here. There is a very small supply of dirtweed going around, an overabundance of LSD (usually \$275 a sheet), and no mushrooms to be found. Since there is this big dope shortage, coke is making it big. Personally, the bud is the only way to go! Because of the drought, I'm going to start an indoor grow room. Behind NORML 100%—hoping to see marijuana legalized.

—*Bummin' Out*
Collinsville, IL

MASSACHUSETTS

Bad news in eastern Massachusetts. There were 64 bales of weed (the press

claimed \$1.2 million worth, but I don't know. . .) seized in Hanover, two towns over from me. This probably means DROUGHT! I certainly hope not.

Good thing I got a few nice plants growing for myself (and friends, of course). Psychedelics are rare around here, only when the Dead come around do we ever see any acid. Most hooch around here is pretty good. I get it for \$140 an ounce.

Well, I'm hungry for a bone right now, so I gotta go. Later!

—*Name Withheld*
Somewhere in MA

NEW HAMPSHIRE

To all you assholes who are growing dope and selling it for outrageous prices, you are, as Dave Letterman would say, money-grubbing scum!! (You know who you are!)

I used to pay up to \$70 for a quarter ounce, and the asshole selling it was probably making a 100% profit! Well, fuck you! I found a way to beat your system!

I'm growing my own! By Christmas, there will be super Hash Buds aplenty. Don't worry, there will be enough to go around, and the price will amaze you. Remember, not all people who sell their crop are assholes.

So please be patient. There are some of us out here who really do care about the average Joe.

—*Higher Than The Mountains*
Somewhere in NH

OHIO

Grow more *sativa*! Fuck that *indica* shit!
—*Da Bzzzzzz*
Out here in OH

I loved the article "Guerrilla Growing in the Bible Belt" (August '88). I've been a guerrilla grower of fine marijuana here in Ohio for ten years now.

Thanks to the hot, dry weather we've had this summer, my plants have grown huge. My planting recipe is simple. I just dig several 12" x 12" holes and chop up the soil real good. Then I add dehydrated limestone, bone meal, and composted sheep manure to the existing soil. Then I water my plants twice a month with a well diluted mixture of 5-2-2 fish emulsion. Hope it helps you out!

—*Mr. Doo Dee Doo*
Somewhere in OH

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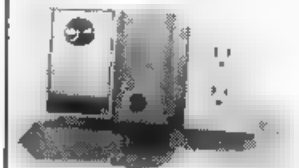
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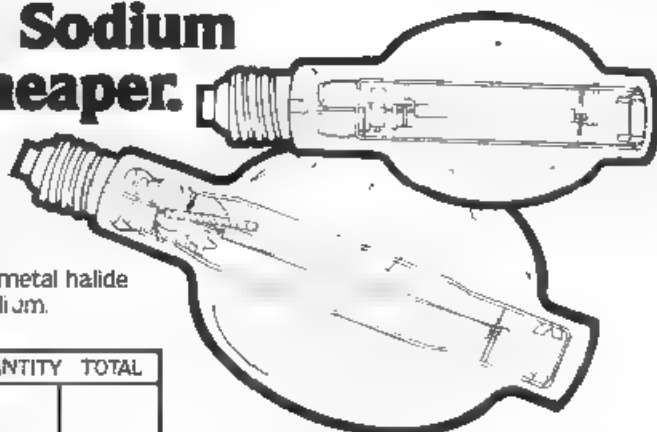
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ONE MAN'S DOPE

continued from page 22

principals, and teachers everywhere, exhorting them to commit themselves publicly to promoting the Foundation's 1988 Pledge Drive, by sending signed letters to "Nancy's" own P.O. Box, care of the Foundation, response deadline mid-April (or else). In July, P&G vice president Wallace Abbot was writing directly to Mrs. Reagan's very chief of staff, Jack Courtemanche, proposing a half-day reception at the White House, including lunch, for the all-new Board of Directors of the Just Say No Foundation. "I think it is essential that Mrs. Reagan be able to attend the lunch," Abbot crisply counseled, "or a part of the meeting, or both." He signed himself "Wally," too.

The all-new Board of Directors came about after P&G did an audit of the Foundation last spring, and found them \$600,000 in red ink with at least one lawsuit threatening. By August, Wally Abbot had given poor Tom Adams his walking papers, and reorganized Just Say No's executive structure with his handpicked Board of Directors. Adams went vengefully to the House Narco Committee, and laid out all these spicy P&G internal communications for the delectation of Rep. Rangel.

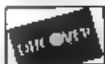
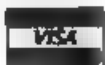
The spiciest of all these memoranda propose setting up a decidedly athletic charade for the frail First Lady to perform, for P&G's promotional benefit. They propose that Nancy select a nationally-televised ABC Monday Night Football contest (Giants vs. Redskins is respectfully recommended), go out on the field at half-time, and ceremoniously kick a football to some little kid, who will carry it triumphantly across the goal line. Brought to you by Luvs diapers, maybe, or Folger's Instant Coffee (containing my own favorite addictive drug, caffeine).

If, by the time you read this, the First Lady has performed any such ludicrous and dishonorable stunt for Procter & Gamble's promotional benefit, that must mean the Republicans are in absolutely terminal straits on the Drug Issue in this election campaign. Whether or not those sons of bitches win or lose in November, though, I can guarantee you there's no way in heaven Mrs. Reagan will be showing up next spring at Procter & Gamble's historic Just Say No Walk in Washington. I'm getting an earful right now from a deeply-disgruntled former member of Nancy's White House entourage, including what Nancy really thinks about the odious Just Say No whistle-stop ordeal they put the poor sick woman through all those years. Stay tuned to "One Man's Dope" and I will tell you all—or at least all that can be libel-proofed by documentation. ●

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	325mg	7.00	13.00	23.00	30.00
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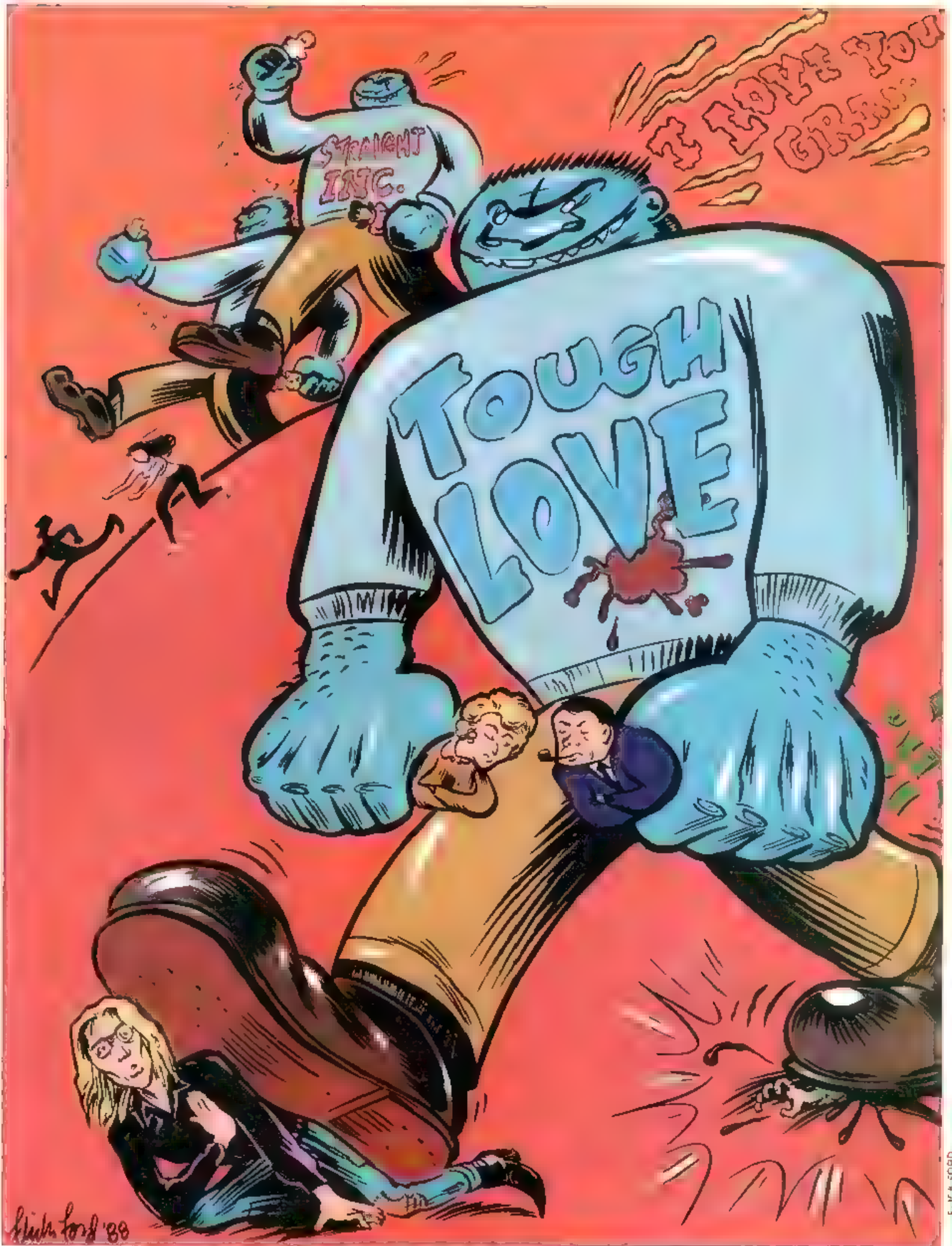
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THE GREAT DRUG WAR

by Arnold S. Trebach

In January, 1982, the parents of Fred Collins committed his brother, George, to the Straight, Inc. drug rehabilitation center in St. Petersburg, Florida. They lured him to Florida from their middle-class home in Alexandria, Virginia, under the pretense of visiting Disney World during Christmas vacation. George was duped into entering the building because his parents told him it was a real estate office.

In June of the same year, Fred Collins' parents took him to St. Petersburg on a family trip to visit George. Straight Inc.'s policy dictated that Fred, who was

successfully attending college and had no history of serious drug use, undergo a "sibling interview" before being allowed to see his brother. It was an interview which would change his life forever.

In this excerpt from The Great Drug War, Arnold S. Trebach tells Fred Collins' frightening yet true story; one of deception, mistrust, and the fanatical methods used by Straight, Inc. to help young people overcome their drug problem—whether they have one or not.

Fred's story begins as he meets the young man conducting the sibling interview...

The young man's name was Jack Jeffrey Waldron. On this day, Jeff was 18 years old, a year younger than Fred, and had not yet graduated from high school; his entire training in the profession of drug-abuse treatment consisted of five and one half months as an inmate and staff trainee in this Straight facility. He represented the epitome of the nonprofessional peer counselors so touted by the White House and by many leading national drug-abuse experts. Mr. Waldron bore the main responsibility for determining whether or not Fred would be locked up in this institution. Fred had not the vaguest idea that he was being so evaluated. He was asked a series of questions about family problems and his drug use, which he answered quite honestly. There seemed to be no reason not to.

"I told Jeff that I never believed that drugs were a major factor in my life. I told him that I had tried pot, hash, alcohol, caffeine pills, and, once laughing gas. When I asked how I should answer the question 'How long have you been doing drugs?' he said say five years since I had first tried pot back then. I was apprehensive because that was very misleading, but I wrote down what he said. Also, when I said 'caffeine pills' he wrote down 'speed' and said it was the same thing. [To most people in the drug abuse field "speed" refers to amphetamines, sometimes the source of serious abuse. "Caffeine pills" normally evoke thoughts of relatively mild nonprescription compounds such as No-Doz.] Then, Jeff started to ask me a lot of things about my sex life, including if I had premarital sex in college. I said I had. Jeff retorted, 'How does it feel masturbating inside a woman?' At this

point, I was starting to get angry and told him, 'My sex life is none of your damn business.'

"About then, three more young men, all rather large, came into the room and sat so that they blocked the door. Suddenly, I was scared shitless. I was sweating like crazy. I asked to see my dad but they said we had more forms to fill out. As I was doing them, they started to 'relate' to me, telling me about their bad drug and sex habits. They started to accuse me of being like them, that is, of having a terrible drug habit and perverse sexual habits. This went on for hours, I had lunch and dinner brought to me on a paper plate inside that small room under guard." Eventually Fred blurted out angrily, "You guys are crazy as shit. I don't have any drug or sex problems and I have a good relation with my family and if you get my father in here he'll straighten it out. I want to see my parents. Let me out. If I have a drug problem then everyone at college must have a drug problem. I drink far less and I smoke far less than anyone there. I have good grades."

One of the young men replied, "You can't see your parents yet." It became clear to Fred that he was being kept in that room and if he attempted to leave, he would be forcibly detained. The young men have since testified that such physical restraint was standard Straight policy in sibling interviews and that their mission that day was indeed to prevent Fred from leaving that small room. The illegal imprisonment of Fred Collins had begun.

Jeff brought his notes to Christopher Yarnold, who was on the executive staff. In the notes, Jeff had written, "I don't feel good about this guy. I don't believe him."

Even though Mr. Yarnold had not yet even seen Fred, both went to Fred's parents in the lobby and told them, "Fred needs the program." His father disagreed with them, declaring that Fred had a good family relationship, and was doing well in school. Mr. Yarnold said he was going to talk to Fred directly. He spent 15 minutes in the room with Fred and went back and told his parents, "I have found physical evidence of Fred doing drugs within the last 48 hours." Mr. Yarnold is a former priest with no professional education, save for a one-day session on alcoholism and on-the-job training in Straight. Even though he had been with his son during most of the past 48 hours, the senior Collins did not ask what that evidence was. Instead, he told the stranger "Take him in."

Before that fateful decision, the parents had been reminded of a fundamental Straight policy. If a sibling is using drugs, he or she must come into the program, or be emotionally and financially disowned, if not, the original child will be thrown out of the program. The doctrine was that when that child left the program he or she "would go down ten times as far." Often, it was stated that the discharged druggie child would surely die. At this point, Fred's parents believed that they had the choice of putting Fred in or taking George out and killing him. They chose the former.

After seven to ten hours of being confined in that small room, of continually being told he was a drug addict, of having his denials met by the classic drug-abuse expert diagnosis that this was proof that he was "into denial," of being refused permission to go to the bathroom even once, Fred was near the end of his resistance. At this point, Chris

Yarnold came back into the room and said, "Fred, I just talked with your father and he said that he's not going to give you any more money for school unless you sign yourself into the program." It is not at all clear if the senior Collins actually made that statement, but the news of it seemed to have been the final blow. Fred also wanted very much to see his brother after all those months, and he was also influenced by the fact that he was on vacation and hence would not miss school. He signed himself in on the explicit assurance that after 14 days he would be free to leave. He felt he could

Most of the treatment program in each community took place in a central facility where the young people were brought every day from their scattered so-called foster homes, which meant the residences of Straight parents.

Straight, Inc., which by this time had facilities in several eastern cities, combined elements of a number of established drug-abuse treatment programs, especially Alcoholics Anonymous and the more rigorous residential therapeutic communities, such as Synanon. Once troubled people enter AA or a normal residential

how to write proper Moral Inventories, or MIs. It was important to confess guilt in the form of drug and alcohol use, or not being respectful to parents, and then for the resident to explain how he was going to improve. It helped if the newcomer made his guilt appear to be great, which meant his remedial measures then became more impressive. At first Fred tried to write truthful MIs and every day his oldcomer at the time, John, would confront him with, "This is bullshit, Fred!" Soon Fred learned to write a proper MI, especially since his meager food rations were often cut in half if he did not.

For at least 12 hours on weekdays, and often half that time on weekend days, the residents went through a series of group sessions, or raps, at the facility in St. Petersburg. In these raps, the males would be on one side of the large room and the females on the other. Even eye contact was forbidden between the sexes, although on many occasions, the group sessions were held jointly with both sexes present. If a female walked by the male group, it was expected that the males would cast their eyes downward.

A major feature of each rap was "motivating." The residents flailed their arms wildly about, moving their bodies frantically in their chairs in order to get recognized by the group leader. The chosen person would stand and make confessions and "renouncements", often crying as he or she did so. These public confessions were usually about their "druggie pasts." It was common for residents to exaggerate their drug involvement so as to demonstrate the great progress they were making, as in the case of the Moral Inventories. At least half of the children and youth there, as far as Fred could tell, had been tricked into the program during sibling interviews. Almost all of this group simply did not have a drug problem so that public exaggeration was necessary.

In "homes" or homes rap, residents were informed if they had earned the right to a visit to their own homes. Residents were coached to shout "Coming home" and to rush into the arms of their parents, if they happened to be present, when granted this privilege. Despite all of the pressure and harassment, Fred made it to his fourteenth day in reasonably good spirits. He was right. He could take almost anything for two weeks. Fred stood up in homes rap that day and said that he wanted to go home, as he had been promised. The group turned on him harshly and informed him that no one left after 14 days; 70 was the usual minimum. He was also told that he did not really want to "get straight", to really get rid of his "drug problem". From then on, Fred was depressed. He saw no way of breaking out of the main facility or out of the foster home.

Much of his fear came from what he had been told and what he saw with his own eyes in regard to the punishment inflicted upon residents who fought the

The homes were prisons. Under the direction of Straight staff, parents placed locks on windows and doors...

take almost anything for 14 days.

He was warned not to say anything to his parents, only to hug them and to tell them that he loved them. He was taken to them—literally taken, since from then on he was considered a "druggie", not to be trusted, and an "oldcomer" (an experienced inmate) had to hold him at all times, usually by the belt. Fred followed these directions. Mrs. Collins cried and Mr. Collins told his son, "I'm proud you signed yourself in."

INSIDE THE STRAIGHT PRISON

Fred was taken into a room and made to take off all of his clothes, whereupon the Straight staff and "phasers" (yet another term for experienced inmates who were proceeding through the seven phases of the program) searched his clothes and his body, including all cavities, his anus, his mouth, and his ears.

After this, he was taken into a room the size of a basketball court, in which were seated hundreds of other residents who were involved in a standard treatment session. Fred was introduced to the group as a newcomer who did not want to be there, but who had agreed to try the program for 14 days to deal with his drug problem. Then, Fred vividly recalls, the entire group turned toward him and said in unison, "We love you, Fred!" He sagged, put his head in his hands, and asked himself in despair, "What have I gotten myself into?"

The young man had gotten himself into a program that had been started in the '70s by Florida parents worried about the drug-taking habits of their children over whom they felt they had lost control. Straight parents made sincere and significant commitments to their new cause, including allowing their homes to be used as residences where the druggie youth lived while undergoing treatment.

therapeutic community program, however, they are free to leave at any time. This was not the case with Straight, as Fred had already discovered. And there were other vital differences.

Within a few days of arrival, Fred was taken to a pleasant waterfront residence, a foster home run by Straight parents, and placed in the care of John, an oldcomer who lived there. The oldcomer proceeded to educate his newcomer in the realities of Straight and Toughlove. "John looked like the Hollywood example of a Nazi Aryan type. Built like a lifeguard. He scared me more than anyone else in Straight. He would tell me things like, 'If you try to leave, I'm gonna make your teeth eat the concrete.' He would poke his finger into my chest, grind his teeth, and yell at me, and tell me the things he would like to do to me if I tried to escape. And every night before I would go to bed John would say, 'Love ya, Fred!' ... That was what they called Toughlove. It was brutality."

The homes were prisons. Under the direction of Straight staff and phasers, parents placed locks on windows and doors, installed alarm systems, and placed beds in such a way as to bar exits. Oldcomers slept on these beds so as to prevent newcomers from leaving their bedrooms, which were usually shared. Before going to bed, newcomers had to be watched even when they went to the bathroom, whether to use the toilet or to wash. If the oldcomer took a shower, he made his newcomers put their hands over the curtain rod and keep talking to him. If a newcomer felt the need to leave the bedroom and go to the bathroom during the night, he was discouraged. Often Fred was forced to urinate in a jar kept in the bedroom.

The major activity of each evening in the Straight home was writing Moral Inventories, a sometimes wholesome concept borrowed from AA but invoked with quite a different impact. The oldcomers trained the newcomers on

system. When residents defied the program while in the facility, a variety of physical punishments were imposed. It was common to have other phasers (of the same sex) simply sit on the offenders for minutes or hours until they were totally subdued and compliant. Fred was deeply affected, for example, by what happened to Keith, a young man who was openly defiant. Often Keith would walk toward one of the doors, all of which were constantly guarded, telling the Straight staff and upper-level phasers blocking his way to "fuck off." One time staff and phasers forced Keith into a bathroom, where Fred happened to be at the time, and proceeded to sit on him. Fred heard a loud crack and Keith yelled, "You've broken my ribs!" A staff member shouted, "Get back on his chest!" Some of the phasers did so. Later, it turned out that young Keith had suffered seven broken ribs and could not move his arm.

In some cases, acts of humiliation before the group were punctuated by a standard tactic of a finger poked in the chest, a push back off his feet and into the group, or even a punch. Fred suffered most, however, from what might be termed the ordinary activities of the program. "I was starving," Fred now claims. Whether or not this was literally true, he claims that he was always hungry and he was never fed enough. He had the huge appetite of a growing young man. Fred entered Straight a gangling 6 feet, 2 inches, 155 pounds. Within several months he had lost 20-25 pounds and looked like a concentration-camp survivor. He dreamed of food.

First phasers had severe limits on the times when they could avail themselves of restrooms while a rap was in progress. On a few occasions, a "bust-ass" rap would run into the early morning hours, after an already long day. It was common to see young men and women, by the hundreds, sitting for hours of "treatment" in a large room, motivating by flailing their arms so they could stand up and confess, while many of them were sitting in small pools of their own sweat and urine. The rooms were often hot and stuffy both from the heat of the climate and from the body heat of the large number of emotional persons present. Inmates sometimes vomited, hyperventilated, and fainted. Rarely did residents see the sun or have exercise in the open air. Many, including Fred, took on a sickly skin pallor. In these unsanitary and stressful conditions, some of the girls reported vaginal infections and missed or delayed periods.

Despite his deteriorating physical and mental condition—or perhaps largely because of it—at one point Fred Collins started to believe he really did have a drug problem and that the Straight program was needed to save the country. One evening in mid-October, he was reading a novel which dealt in part with mind control and it suddenly dawned on him that he had probably been brainwashed. At various times during the

previous several months, Fred had been so depressed as to be suicidal and wondered how he could kill himself. Depression is sometimes described as anger turned inward. Upon achieving the brainwashing insight, his anger turned outward. He would become a good con and work the system to the limit, appearing to be a committed Straightling. But in actuality he started to think about how to escape.

In October 1982, Fred was transported to the airport under heavy guard and in extreme heat in the back of what appeared to be a U-Haul trailer. The

believed that his father and the Straight staff would report the matter in such a way that the police might be persuaded to recapture him. He left the police station and went underground with the help of his fraternity brothers in Theta Delta Chi, who took him in and showed him the first true love and care he had experienced in many months.

During this period of fearful hiding, he stayed for a while with David, a young man who recently had been the president of his fraternity, at his home in northern Virginia. To reassure Fred, David allowed him to keep a .30.06 rifle, a

When residents defied the program while in the facility, a variety of physical punishments were imposed.

private chartered plane took him and over 100 other Straight youths to Dulles Airport. Again under continuous guard, he went to the new Straight facility in Springfield, Virginia, not far from his home. As in the past, down in Florida, this was the home of Straight parents, that is, adults who had a child in Straight and who had become fully committed to the Straight theology. In this case, Fred Collins's new place of confinement became his own luxurious home in Mount Vernon, Virginia.

He had been away from this beloved place since Easter vacation the previous April. When he returned after that absence, he found that his parents had converted that home into a prison, locks had been placed on all exterior doors and on many of those inside the house. The same was true of the windows. On the door of his own bedroom, his father had installed an electronic alarm system. The doorknob had been turned around so that the key could only be used from the outside. Most of his old belongings and mementos had been taken out and placed in the hall. A Straight staff member supervised the security of this locked institution, which contained three inmates including Fred.

ESCAPE

On the third night at home, October 31, 1982, Fred pulled off his escape after 135 days as a prisoner. He threw a table through a window and jumped out to the waiting car of a friend, Lorna, whose father is a retired FBI agent, whose brother-in-law is a police officer, and whose brother is a correctional officer. Lorna had come to his rescue after he had made a frantic telephone call to her in a moment when he briefly got out of the hearing of his guards. They went to her brother, who took them to the Groveton Police Station in Alexandria, where Fred reported his escape. Fred

very powerful weapon, in his possession. One day, a man in a white coat came into the house and told Fred that he was there to pick up some furniture. Fred leveled the rifle at his chest and said, "You're from Straight, aren't you?" The terrified stranger asked, "What the hell are you doing?" David happened to come into the room from a side door, saw the scene, and tackled Fred, screaming, "He's here for the furniture, Fred!" Later, Fred said, "I was going to blow him away. That's how nuts I was. I look back and honestly think I was insane."

Fred realized that he had to take some more rational action to deal with his disabling fear of being forcibly kidnapped back into Straight and also with the real possibility of that event. He finally decided to seek legal advice. One of his fraternity friends took him to his sister, who was a young attorney in Baltimore. When she heard Fred's story, she became furious that such practices could take place in this country. She also realized that she could not do the case justice. She told Fred that in her opinion the only lawyer for this case was Phil Hirschkop. The young lawyer called Mr. Hirschkop's office and made an appointment for Fred.

The first meeting between Philip Hirschkop and Fred Collins was significant for them and for the country. Fred related his situation to Mr. Hirschkop and to his younger associate David Fudala. Both attorneys had listened to far-fetched tales before from potential clients. This one seemed beyond the pale of possibility in America.

Phil Hirschkop called the Straight office in Virginia and the senior Collins, telling both that Fred was now represented by counsel, that he was to be left alone, and that if attempts were made to recapture him, Phil would immediately see to it that kidnapping warrants were sworn out against them. Both Mr. Hirschkop and Mr. Fudala thought that would be the end of their

involvement. They had not contemplated that the case would demand so much more effort from them.

Their temporary involvement stretched into several years. Within a few days, they had to respond to a criminal complaint and a warrant for destruction of property sworn out by the senior Collins against his own son. Fred had caused some damage to the house when he made his escape and, on the advice of Virginia Straight program director Melvin Riddle, Mr. Collins brought criminal charges and thus gave Fred the only criminal record he ever had. Phil defended Fred in that matter, which

Honorable Albert V. Bryan, Jr., was a conservative, no-nonsense jurist who seemed to take special pleasure in controlling hard-fighting advocates such as Phil Hirschkop. Lead counsel for the defense was Ronald L. Goldfarb. Over the years, Mr. Goldfarb had earned a solid reputation as a civil libertarian and an advocate of humane treatment of prisoners. In defending Straight, it is quite possible that Mr. Goldfarb was simply carrying out the canons of legal ethics which declare that all clients are entitled to competent counsel.

The trial dealt with two key questions. First, did Straight hold Fred in custody

the physical evidence he had found that Fred Collins was a drug abuser. "I'd diagnosed that—in my interview with Fred, his eyes were red," Yarnold testified. "Mr. Yarnold, are you telling these seven good people that you can look in someone's eyes and tell if they've been smoking marijuana?" asked attorney Hirschkop. "You can look in someone's eyes and tell that they've been smoking marijuana, yes," replied Straight executive staff member Yarnold. Phil Hirschkop then asked Chris Yarnold to come down and look in Fred's eyes right then, during the trial, for any indication of recent drug use. Mr. Yarnold did so and found no indication of dilation or redness, thus no hint of recent drug use.

Then Mr. Hirschkop brought out that the Straight executive had not noticed that Fred was wearing contact lenses that day in court, nor had Mr. Yarnold noticed it on the day of the sibling interview. Mr. Yarnold admitted that he knew that contact lenses could make eyes look dilated. (There was no mention of Fred's swim in the pool the night before the sibling interview which might also have contributed to red eyes. Fred believes that the combination of the swim plus the contact lenses might have given his eyes a dilated, red appearance during the interview, which he would have explained if asked at the time.)

Also important was that Fred had admitted to using a number of drugs, especially marijuana, even though he had not used any in the three months before the interview. On the witness stand, after intensive cross-examination, Mr. Yarnold delivered this conclusive pronouncement. "Anybody that is using a drug that is mood altering has a problem. Okay. He has a problem. From now until eternity, Fred will be chemically dependent." Several jurors later recalled that they were deeply and negatively impressed by this dogmatic testimony of Straight, Inc. executive Christopher Yarnold.

WAS FRED COLLINS AN ADDICT?

However, the clash of values in this unique case, and by extension in the country, was brought out most dramatically in the testimony of the two psychiatrists presented as expert witnesses by each side. The dominant official view of adolescent drug abuse, which is strongly supported by the White House and many medical and social leaders, was represented by Dr. Robert L. DuPont, Jr., who was a paid consultant to Straight. He is a preeminent spokesman for that view—the world's heavyweight champion, in the eyes of many people—hence his testimony made this contest a trial not only of one narrow case but of a whole philosophy, one that controls much of American drug treatment today.

On the core issue in this case, Dr. DuPont testified that in his expert opinion, Fred Collins definitely was "a

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Did Straight hold Fred in custody improperly and imprison him falsely? That was the legal issue the jury had to decide.

involved a settlement. Fred paid his father \$75 for the damages incurred during his escape, and his father agreed to drop the criminal charges and to allow his son the right to come to the house and take most of his belongings.

Within the space of a few months, therefore, Fred Collins had become a war orphan. The American war on drugs had created a situation in which this successful college student and citizen could not live in his own house, could not visit his father, mother or his brother, and could expect no financial support to continue his college education. As the new youth-control dogmas of Toughlove and Straight mandated, the young man had been cut off from his family, emotionally and financially. He was in intense emotional pain. Hanging over him, moreover, was the real threat that he might be kidnapped back into the Straight prison.

Phil wanted to sue the elder Collins, but Fred insisted that, despite everything, he still loved his father and under no circumstances would he participate in a suit against him. Within several months Mr. Hirschkop filed a civil suit against Straight, Inc., claiming that it had visited upon Fred Collins the civil wrongs of false imprisonment, intentional infliction of emotional distress, and assault and battery. Because this case involved what is known as diversity of citizenship—in technical legal terms, Fred was a citizen of Virginia and Straight was a corporate citizen of Florida—it was possible to invoke the jurisdiction of a federal court.

THE TRIAL BEGINS

On May 9, 1983, the case of *Fred Collins v. Straight, Inc.* commenced in the United States District Court for the Eastern District of Virginia. The courtroom in downtown Alexandria was small, stuffy, and sometimes affected by street noise. The presiding judge, the

improperly and thus imprison him falsely? That was the formal legal issue which the jury had to decide. If Fred was "under a reasonable apprehension that force will be used unless he willingly submits... it is false imprisonment." Nor was "malice or ill will or wrongful intention" necessary, only that Straight did accomplish the wrongful act of imprisonment.

Second, was Fred a drug abuser or an addict? That question was not a central point in the formal pleadings, technically speaking, but in actual fact it dominated the trial. It would indeed seem logical to say that if this second question were to be answered in the affirmative, then the charge of false imprisonment would be impossible to sustain. That conclusion was by no means certain, however, because both law and medicine are confused about how to define the condition known as drug addiction and also about the legal rights of people classified as addicts.

Dr. Newton filed an affidavit that put forth Christopher Yarnold as his designated expert who would explain how Straight diagnosed chemical dependency. In the actual event, Mr. Yarnold's testimony demonstrated the profound ignorance of some of the alleged leading experts on drug abuse in America. During the course of taking sworn pre-trial depositions, lawyers Hirschkop and Fudala brought out that Yarnold did not know the name of the active ingredient in marijuana, did not know what laughing gas was, and had only the vaguest idea of how drugs interacted with human health and behavior. On the witness stand during the trial, when asked if he knew at the time of the intake how the hallucinogenic factor in drugs worked, he replied, "No. All I knew was drugs affected people."

Mr. Yarnold also reiterated that it was his decision to commit Fred to the Straight institution—and then explained

THE Psychedelic Plant Doctor

by Peter Gorman



Pusanga, a hallucinogen used by South American witches.

The plants of South America make up a pharmacopeia like no other in the world. More than 50% of the medicines used by western science include either synthetic chemicals derived from the plants of the Amazon Basin or parts of the actual plants themselves—from aspirin to anesthetics, birth control pills to cancer retardants, it is estimated that science has investigated less than one percent of the plant life there.

In fact, every tribe in South America has, or has had, its own pharmacopeia at one time or another. How they came upon their remedies remains somewhat of a mystery to us. The brujos, tribal healers and herbalists that I have spoken with all say that the plants themselves reveal their secrets to those who wish to learn. Scientists prefer to think that hundreds of years of perpetual experimentation have produced the oral traditions which contain the secrets of healing.

However the tribes have gained their knowledge, it takes only a short time to lose it. Missionaries frown on 'witchdoctors' who look into the future, operate without the use



Dr. Solomon Melchor Arroyo.

of scalpels, and speak with the spirits of the plants. Tribal assimilation and forced relocation are other ways to eradicate whole bodies of information. A hundred years of oral tradition can be lost in a single generation.

Tribal people are responsible for the loss of their herbal knowledge, as well. Doctors with pills and injections which quickly cure symptoms are often thought of as powerful magicians and taken more seriously than tribal doctors. Despite this, some tribalists continue to depend on natural healing methods. Even in the cities there are practitioners who keep the traditions alive. I recently had the opportunity to speak with one of these practitioners in Lima, Peru. His name is Solomon Melchor Arroyo, curator of the Peruvian Museum of Natural Science and Health, and his work is rather unique. He is not only a plant-doctor, he has been collecting plants and their usages from hundreds of tribes in the hope that information which could otherwise be lost can now be preserved.

Dr. Arroyo's collection includes not only single plants, but a large group from the

Photography by Steven Flores

Andean mountain tribes. Some of these plants are generally considered extinct, others are unknown outside of the small groups which use them. Besides working at the museum, Dr. Arroyo teaches at the University of Lima and lectures throughout South America on natural drugs and nutrition.

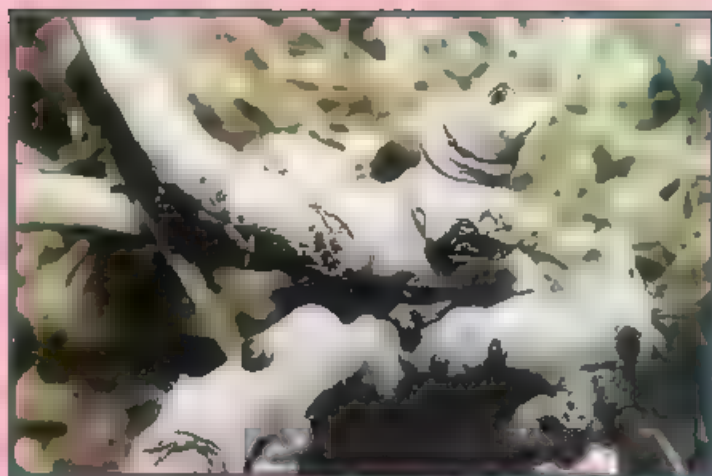
Arroyo is a slight man, soft spoken and unremarkable looking, but his personality is strong, his eye for a plant is unshakable.

"I have always been after the truth. I am not a witch or a brujero. People say that there exists a connection between witches and the devil. I am a healer. I know the secret of life. This is a very different thing from those who tap into one of the five very real kinds of magic practiced here in Peru. I study the plants of peoples. I know which plants are nutritious, which are poisonous, which are for healing, and which are hallucinogenic. I have thirty years of experience with these plants."

"How have I come to have this knowledge? I have studied only in the open air with my teachers and protectors. I foresee plants, that



Hallucinogenic ritual tobacco.



Huanarpo Macho—used for sexual potency.

is, I look at a plant in the day and sleep near it at night. While I sleep I dream what can be done with that plant. That is how we do it. I know others who also do it this way, but it is not the only way to learn. I am a friend to the plants."

"The plants alone are not always enough. Not everyone who knows plants can give you the power of the plant. A person has to have a kind of ESP with the plants, and the right character for using them."

My photograph of Sr. Flores and I were standing on the roof of the museum, a simple trellised space filled with hundreds of plants in small pots. Most of them looked as though they would be better off elsewhere. Dr. Arroyo agreed.

"I have a place in the country not far from here where I keep most of my plants. It is near the highway, in the mountains to the south, but here I can experiment with my plants, so I keep these on the roof. Many of them probably exist nowhere else in the world but here, some are grown from seeds I have found in tombs, or from bulbs buried there. Inca plants."

You say you have an interest in learning about hallucinogens. Let me tell you about a few you might find interesting. I hope you will believe what I tell you. People have been using plants for so long but still there are so many people that are skeptical."

I lit a cigarette and offered one to the doctor. He took it and laughed gently.

"Look at this," he said, walking to a squat green-leafed plant. "This plant is from the same family as your cigarette, the tobacco family, but this one is from the jungle near Iquitos. Brujos use it for inducing hallucinations at rituals. You just hold the seeds in water and drink the extract soon you have powerful hallucinations."

I asked him what sort of hallucination it brought on.

"I am sorry, but I cannot tell you that. Only a brujo is permitted to discuss this plant in that way. Some things are secret, but there are others I may discuss."

"This plant, the Pusanga, is from the Aconitaceae family, also from the jungle. The bulb is ground and boiled in water. With it you use this plant. You have visions when you drink the boiled liquid, but you may have milder hallucinations just from smelling the flowers. It is used to help in matters related to work, love and anti-witchery."

I noted that from what I knew of hallucinogen use among tribal people—specifically from my own experience—it seemed as though the plants were rarely taken as general mind-expanders, but rather as gain specific knowledge. Dr. Arroyo smiled.

"These plants are not for play. No one

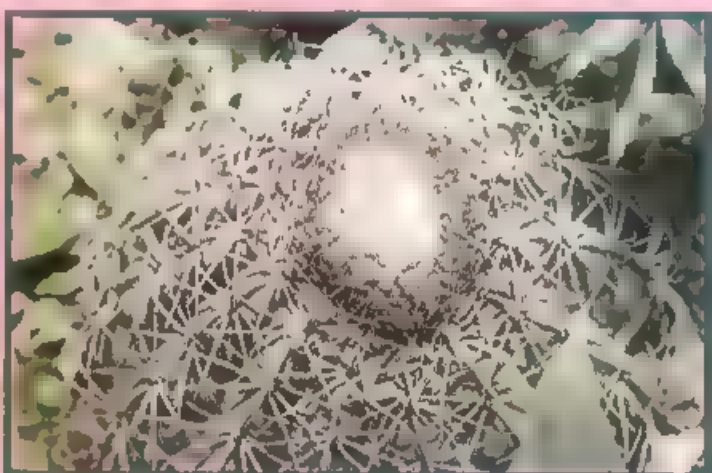
would prepare them for you unless there was a reason. They are too powerful. For example, here is the Huanarpo Macho, from the Caneas family. This is from the mountains 3,000 meters high. It is an ancient Peruvian plant used to strengthen the hormones; only old men use this plant. When you take it you have visions of women. You put 20 grams of leaves into a half-liter of wine. After you drink it you will always be capable of having sexual contact. For this, we call it the macho plant."

And here, next to the macho plant, is the Huanarpo Embra, the female of the same plant. It also grows in the mountains, but not quite so high. It flowers every second cycle of the moon. You prepare it the same way as the males, but only women drink this plant. If a man should drink it he would think his insides were on fire and he would have permanent internal damage. When a woman who is frigid drinks this medicine, she hallucinates all of the lovers she has had. She may be so excited that she can even go crazy from it. The effect may last a month. It is a very dangerous plant, but it has been used for thousands of years by the mountain Peruvians. Some Japanese scientists have been studying this plant while making experiments."

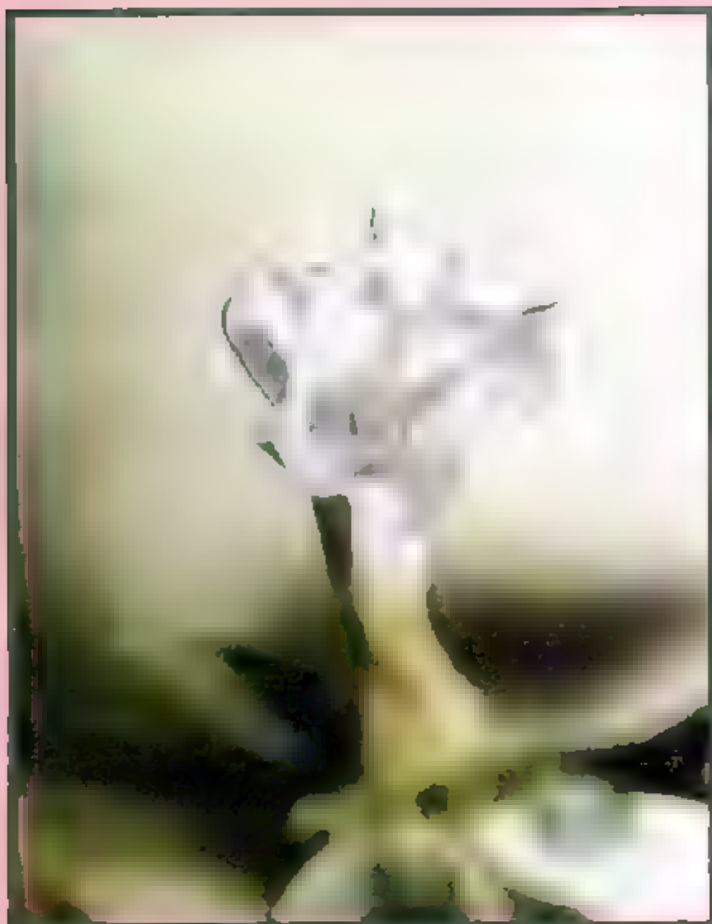
I laughed and asked why there were no leaves on either side of the Huanarpo plants. The doctor grinned. "Many mountain



San Pedro cactus.



Cactus of the moon.



Datura Family flower—"plant of the demon."



Pidi-Pidi—used for contraception.

Peruanos now live in Lima. Sometimes they come to me for a little help."

I looked around the garden and realized that what had seemed to be unhealthy plants struggling to survive outside their natural environment, were actually plants from which the nettles, flowers, and leaves had been stripped. All of his plants were being used.

"Don't look so surprised", he laughed. "I told you I was a healer. That is what the plants are for."

Dr. Arroyo stared at me for a moment, then walked to a planter containing an array of cacti. "This is an interesting plant", he said, pointing to one of them. "This is the San Pedro. I have two varieties of this plant: one with lines and one without. You have a similar plant in the United States, but this one is found only here, in rocky ground in the mountains. It is the plant of the future—a ritual plant. You put the parts of this plant in 30 liters of water and boil the water on a fire built with special wood. This is during the full moon, of course, only during the full moon. All night the water boils and by noon you have only 1 liter of water left. Then you boil it very slowly for 6 more hours until you only have one-half a liter of water left. You let it sit for 6 hours; you drink it 1 full day after the fires were lit. At 3 in the morning your visions begin. You can see all your foes, your enemies, the trips you will take in your life. This is why it is called the plant of the future. Your visions will not be like those of other hallucinogens you have used. With this, the visions are not physical, but astral and

spiritual. It is difficult to explain. You will see the important things in your life, the friends you will have, your relations... but you are seeing things which do not yet exist. It is so very strong because it takes its energy from the sun, from one year to the next. It contains the very nectar of the sun, the concentrated power of the sun."

"The other San Pedro is a powerful plant. It is used against enemies, not to go into a house. How it is used will sound strange to you, but it is true. You make a list of the people you want to enter your house and put the list in the ground in front of your house. You plant the San Pedro on top of the list and whomever is not on the list cannot enter the house. You might think that this is crazy or impossible but people have been using it for more than three thousand years to protect themselves from their enemies."

"The Plant of the moon is another cactus. Peruvian peyote, similar to the San Pedro. The plant produces seed-pods twice a year, when it flowers. Each flowering lasts only one night—but that night it produces many flowers and each flower has several seed-pods. You boil ten pods in just a half-a cup of water only for fifteen minutes, no more. The liquid is very sweet since the pods are filled with something like honey. After you drink it you begin to hallucinate. You travel all over the world—not like the San Pedro, which takes you to worlds which do not exist yet—but more like traveling in an astral body in this world. You can go wherever you want and see whomever you want. For eight hours you will

have visions of your friends and what they are doing right now. You can learn many things from these hallucinations."

I told him that the effect sounded very much like the vine, *Avahuasca*, which I had used several times in the jungle.

"Similar, yes, but for me *Avahuasca* does not have a friendly spirit. I cannot use it without harming myself, but the *Luna Cactus* is very friendly to me—very similar effect, but different spirits."

"I have another powerful plant here—from the *Datura* family. Perhaps you know it? The *Chamico* plant; very potent, very dangerous. It is called the plant of the demon because of its power. It completely robs you of your willpower. We use it only in rituals. A girl was seduced by a man who attracted to her. She scraped the nectar from 21 flowers with a stick and puts this nectar into soda or *chicha* (corn liquor). The man drinks it, and he has hallucinations of women. When his hallucinations are finished he is ready for her. He will be under the spell of that woman for six years. You cannot help yourself. Even if you hate that woman, you will not be able to control yourself. Now do you understand why it is called the plant of the demon?"

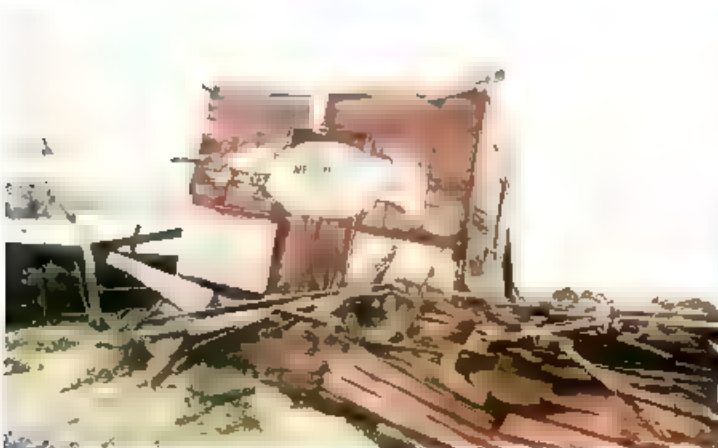
"Other parts of the plant can be used as well. The seeds may be dried and burned. Inhaling the smoke of the burning seeds will cure asthma and other respiratory problems. The flowers and leaves are good for hallucinations, but they are too powerful. Everyone that I know who has used them has died from them."

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ANDRE GRÜSSMANN

Above: The morning after at the craft market in Negril. Lower right: Paul Rudolf stands next to a large uprooted tree.



Juicy's, a popular Negril landmark, was totalled by the storm.



ANDRE GRÜSSMANN

An expensive tri-hull boat was blown ashore and demolished.

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Although a rough surf was pounding the rocks, it didn't look that serious. Andre grabbed his camera and walked out onto the rocks to take pictures. Steve sat down on someone's balcony and opened a Red Stripe.

"I hope no one's staying here," he said. "This place is too close to the water to be safe."

To our mutual surprise, a girl opened the door.

"I don't mind you sitting there, but can you keep it down? We're trying to sleep."

"Don't you know about the hurricane?" I asked.

"We heard it wasn't going to hit for another three hours," she said, closing the door.

The rain started to pour hard, so we ran for the nearest bar. After a few Red Stripes, we drove back to the thatch house.

For the next hour, the wind gradually increased in intensity, until most of the trees in our front yard were either uprooted or leaning at crazy angles.

Everyone moved into Paul's room and we cranked up the music on the ghetto blaster. "This is no big deal," said Dr. Quality, who soon fell asleep again. Every now and then, someone would walk out

on the porch to see if any more trees were down.

Suddenly, the sky went black and the intensity of the storm grew much worse. The noise from the wind was unbelievably loud. What a roar! I looked out the window and saw a wall of water moving horizontally across the yard. A small tree flew by. We were in the eye wall!

Steve was seated on a bench in a small alcove in the room. Earlier he had announced this to be the safest spot in the house. Dr. Quality, who until now had shown little interest in the storm, suddenly woke up and crawled underneath the bench.

"Scoot over, mon," I told Steve. "I'm sitting down too."

Within a few seconds, we were all wedged into that alcove.

We could hear the zinc sheets tearing off the roof. That meant we'd already lost the top layer of thatch. Water was running down the walls. The roof was leaking everywhere.

Suddenly... the storm was gone.

We wandered outside in a daze. The sky was filled with sparkling stars and a small plane was flying in circles. We were inside the eye.

"Quick," said Steve, "let's drive down to the ocean."

"Don't do it! Don't do it!" I warned.

(Ra knows better than to venture out in the eye.) Steve and Andre drove back to the balcony where we'd been hanging out earlier that day. They returned in 15 minutes and announced the balcony no longer existed and that the road to Negril was blocked by fallen trees.

The eye moved slowly and took more than 45 minutes to pass over, so we had plenty of time to prepare for the next assault. The Englishmen came running into the house, grabbed their belongings, and fled to another building (one made of concrete instead of wood).

Suddenly, without warning, the mighty roar of the wind returned and the eye wall slammed us hard again, coming from exactly the opposite direction. Although Paul's room had been sheltered from the first phase of the storm, it took a terrible beating in phase two. The room was filled with water, drenching us and our belongings.

The roof started to vibrate so hard I expected it to fly off at any second.

"Get the mattress!" yelled Andre.

Andre ran out of the alcove, grabbed the mattress off the bed and came running back, holding the mattress over his head. Steve picked up a blanket and put that on his head.

Fortunately, although we'd lost the top layer of thatch and most of the zinc, the roof structure held. Fifteen minutes later the eye wall passed through, and the winds slowed down to a more "reasonable" 50 miles per hour. We stayed in the alcove for another hour or so, waiting for the storm to die down.

We were alive! Wet, but alive.

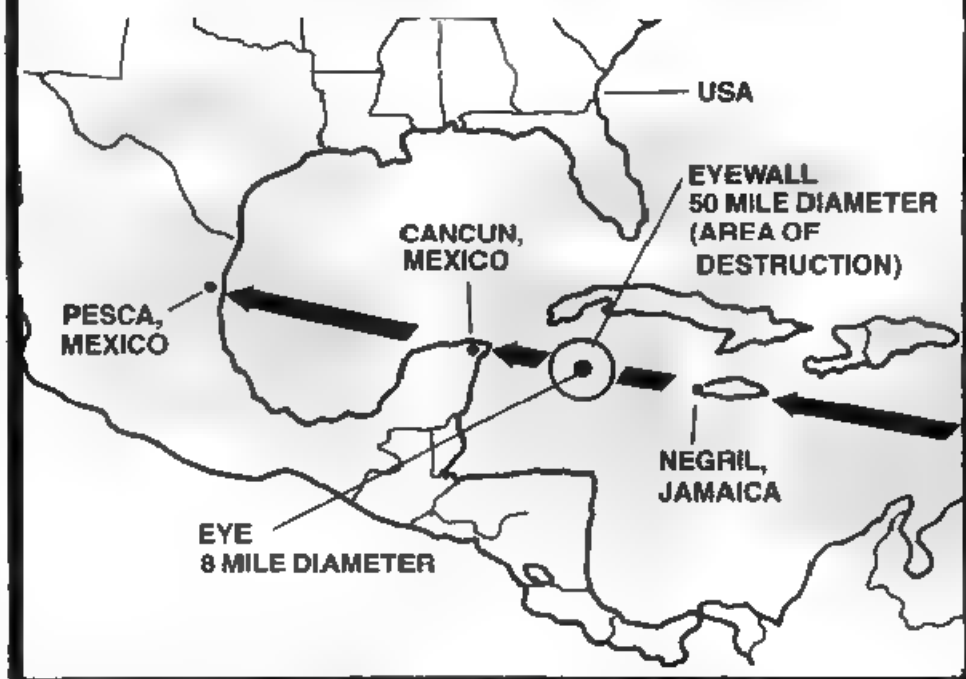
I lit a candle and left to check out the rest of the house. Every room was soaked, except for one vacated by the English. Fortunately, the gas stove still worked, which meant we could have hot food! The five of us quickly moved into the dry room and fell asleep fully dressed.

We woke at dawn, ate breakfast and hopped into the car.

We had to wait several hours before the road was clear to drive, so we left the car and walked to Xtabi on foot. On the way there, we ran into Dave, the owner, in his truck.

"Did you see a hurricane come through

HURRICANE GILBERT'S PATH OF DESTRUCTION



here?" joked Dave.

The owner of Rick's Cafe happened to be passing the other way. "Did you see Rick's come through here?" he answered. (We later learned that Rick's Cafe had been completely demolished.)

Walking through the town was very depressing. As usual, the poor seemed the hardest hit. Most of the concrete structures were undamaged, but the shanty shacks were flattened. Despite the devastation, the locals seemed to take the disaster remarkably well.

"My whole house mash down," said one man. "I have nothing but the clothes on my back. But I'm alive, so I'm happy."

The rebuilding process started immediately and although there was no fresh water, little food, and no electricity, there seemed little doubt that the town would be back on its feet in time for the winter tourist season.

Two days later, the road to Montego Bay opened and we made a mad dash for the airport. When we arrived, the airport was abandoned—no one home.

The next day, however, several thousand frantic tourists assembled, all trying to get out. Supposedly, there was going to be one flight to Miami. The mood in the airport got pretty hostile.

A group of young women managed to get reservations for the Miami flight, and as soon as they were ticketed, they broke into a spontaneous cheer.

"Now we can take a shower! Now we can drink a cold beer! Now we can take a SHIT!! Yeah!!!"

The demonstration helped release a lot of frustration, not just for the girls but for

everyone else. Finally, everyone started to laugh and act more friendly.

The HIGH TIMES hurricane hunters spent the next 15 hours in the airport, fighting customs, the ticket takers, and anyone else in our way to get on that plane and return home. We didn't make it on that first plane, but we were lucky enough to catch a second flight to Miami later that day.

It wasn't until we landed and read the Miami papers that we realized out how terrible Hurricane Gilbert had actually been. As measured by research aircraft from the National Hurricane Center and the Air Force, the sea level pressure of the eye of Hurricane Gilbert was 26.13 inches, the lowest ever recorded for a hurricane in the Western Hemisphere. The only lower pressure measured anywhere on Earth, 25.69 inches, was recorded on October 12, 1979, in the eye of Typhoon Tip as it roared across the Pacific Ocean near the Philippines.

After passing over Jamaica, Gilbert's eye contracted to eight miles in diameter, and the eye wall speeds surpassed 200 miles an hour, causing hurricane experts to liken it to a giant tornado. On Wednesday, September 14th, Gilbert hit the Yucatan Peninsula, creating massive destruction and killing hundreds of people.

Right now we need to band together and aid the hurricane victims in their time of need. For more information, call the Jamaican Consulate at (212) 935-9000. For information on travel plans to Jamaica this winter, contact the Jamaican Tourist Board at (212) 688-7650. ●

Interview: John Wilcock "Something, like, Really Weird!"



by John Holmstrom

The underground press, which flourished in the '60s, actually had its origins in the '50s, when weekly newspapers like *the Village Voice* were first published. John Wilcock founded the *Voice*, and was instrumental in the development and production of many underground newspapers during the '60s, including the *East Village Other*, *Oz*, and the *LA Free Press*. He also founded the Underground Press Syndicate and helped develop ideas for *HIGH TIMES* at the first editorial meeting. In fact, he was a major contributor to the first issue of *HIGH TIMES*, which identified him as "the elder statesman of the underground press."

John Wilcock currently produces, writes, directs and stars in *Wait A Minute—the John and Joanna Show*, a cable-TV show, shot on location from all over the globe, available on Viacom in San Francisco, American Cable Systems in LA, and Manhattan Cable in New York.

This is the latest in a series of interviews we're running in preparation for a special issue dedicated to the life and times of Tom Forcade, the late, great founder of *HIGH TIMES*.

HIGH TIMES: Can you tell us about the Underground Press Syndicate, which you founded with Tom Forcade?

John Wilcock: I'd just quit the *Voice* and decided to edit the *East Village Other* (*EVO*). Walter Bowart (*EVO* publisher) and I were sitting around the *EVO* office, and we realized that all these papers were starting to appear. There was *The Paper* in Lansing, Michigan and *The Berkeley Barb* and the *LA Free Press* and *EVO*, and *The Rag* in Austin, Texas. It occurred to us that we ought to have a syndicate so we could use each other's material. The only agreement was we could all swap each other's paper—we'd make sure everybody got each other's paper and we could pick up anything we wanted. We were sitting around at the typewriter wondering what to call this thing. I was brought up in war-time in Britain, when the French Resistance were the big heroes—the French Underground, you know? So somehow,



John Wilcock.



this word "underground" came out and we decided to call it the Underground Press Syndicate (UPS).

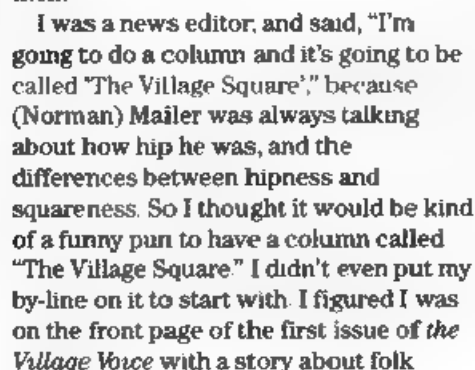
Just after we began it and set it in motion, I took off, because I was writing travel books at the time, so I was away for several months. When I got back, the UPS thing was in total chaos. *EVO* hadn't been able to attend to that kind of business as well as getting out the paper. So Bowart said, "Listen, you'd better take this whole thing back and organize it yourself." So he handed over all the UPS

files and, almost simultaneously, I got this call from Tom. He identified himself and said, "I understand you've taken over the Underground Press Syndicate again. I have all the files of all the papers down here, and I wonder if I could be of some help. Maybe we could do it together in some way, you know?" And I said, "Sure. As a matter of fact, it might be a good idea to insure that there were no rip-offs if we both run it. We'll open a UPS bank account, but we'll both counter sign checks. You handle all the details down there and I'll collect stuff up here and write a newsletter report, send you the stuff every month, and you'll print it and send it out."

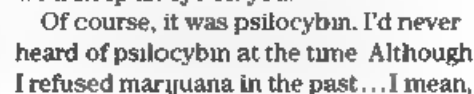
That was the initial impetus for the thing. The way we financed it was, at that time, things like Time/Life were getting interested in the underground papers. So we figured we'd sell them a subscription to all the papers. All they did was pay once and they got all the underground papers. Each underground paper fulfilled the subscription and the money went to UPS.

It went on for quite awhile with Tom and I doing it. Tom eventually turned up in New York and he was so efficient at the whole thing that he just took it over. I was only too happy for him to run it all. It turned out he had this degree in business administration, which is kind of funny for an underground guy. Well, that was the early days of UPS.

JW: I must have been in my early 20s. I always had a big romantic feeling about the artists' and writers' community, and I felt that Greenwich Village was the center of the universe. When I came to New York, it was 1954. I found it kind of quiet and pleasant and ideal and very attractive and very glamorous, except



Going to Mexico was really a conversion to me, because I discovered Henry Miller for the first time. I couldn't believe anybody could write like Miller. It just seemed to be an incredible kind of opening up of everything. Then what happened was that Dave Solomon—you know who Dave Solomon is, of course



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CHEF RA's guide to JAMAICA

HIGH TIMES HURRICANE HUNTERS go on a RA-SAFARI!

Photography by Andre Grossmann

Since 1977, I've made yearly trips to Jamaica, land of the Rasta man and home to nature's purest and sweetest ganja herbs. Last September, HIGH TIMES invited me to lead a tour of the island.

Shortly after landing, I instructed my fellow travellers to liberate themselves from their fast-paced, post-modernist lifestyle, a process I call "Reggae-i-zation." "Soon come," a popular Jamaican expression, illustrates the slower pace of this Third World country.

Of course, the major thrust of our mission was to find ganja fields. First, however, we headed for Negril, hipster-tourist capital of the island and the easiest place to score quality herb. (Although many dealers approach visitors at the airport, it's

important to avoid them.)

While truckin' down Norman Manley Boulevard (gateway to Negril), we passed the seven-mile beach and countless new hotel complexes. The blue-green Caribbean, crown jewel of the aquatic world, glistened in the sunlight.

First stop: Alfred's Ocean Beach Front, where I conferred with my fellow chef, Ayatollah.

"You're on my coffee table at home, mon!" said Ayatollah, in reference to my appearance on the cover of the November '87 issue of HIGH TIMES "Dread mash it up, mon!"

Many of my Jamaican mornings have been spent sitting at Alfred's, eating the Ayatollah's french toast and omelettes. As usual, I found the Ayatollah presiding over an

international clientele. Dr. Quality, an old friend and experienced Jamaican tour guide, joined the safari here. While in Jamaica, one is constantly approached by locals trying to be of assistance. The tourist trade is overcrowded and highly competitive, so life is a constant struggle. People have to "hustle" to realize a living. Tourists must understand everyone is going to offer their services for a price. The goal is to find someone you can trust. Dr. Quality is one such person.

The Ra Safari then split into three camps, two at Xtabi, two at

continued on page 46

(Opposite page) Chef Ra never visits Jamaica without a trip to the fresh fish market at Savannah-La-Mar.





located on the cliffs. Above were some of the best sunset views in Jamaica. Private cliffside cottages went for around \$100 a day during high season.

continued from page 44

Rockhouse, and two at Summerseat Village. Negril is filled with great hotels for every price range. To obtain a free listing, write the Negril Chamber of Commerce, Negril, Jamaica, W.I., or call them at (809) 957-4277.

A few hours later, the Ra Safari gang (Paul Rudolf, Dr. Quality, Steven Hager, Ed Rosenthal, and Andre Grossmann) left the hotels and headed back to the beach. The hot sun beat down on us. We needed to make a pit stop, roll a super spliff and grab some cold Red Stripes.

Michael's Pub (located near the Fisherman's Club) is one of the best spots for beer and local color. Fisherman's is not exactly a club, but a convenience store, patronized by the everyday people. While at Michael's we discussed our next day's travel plans, which included a trip to the seaport of Savanna-la-Mar, located on the southern coast.

The following morning, Ra rolled a huge spliff, and declared, "Off to the market!" So we packed the rental car and headed south. It was on this road that we picked up the first of eight

flat tires we would have on this trip. No problem. We replaced the tire with our spare, and had the hub plugged at the first gas station we passed (cost: \$5 American).

As soon as we pulled into the parking lot at the marketplace, we were surrounded by friendly people who wanted to fulfill our every need. We quickly proceeded into the market. Tourist centers like Negril don't have anything to compare with Jamaican markets like the one at Savanna-la-Mar. Few tourists come here. The market is rich in fruits,

continued on page 48



CHEF RA'S guide to NEGRIL

NIGHT CLUBS

Some of the hottest clubs to hear reggae music are: Kaiser's Cafe, the Tree House, Club Kacoha, and De Bus.

RESTAURANTS

Pete's (excellent fish, lobster and traditional Jamaican cuisine); Ray's Ital Vital (Rasta ital cooking located in the craft market); Pee Wee's (great food and lovely sunset view from the cliffs); The Hungry Lion (vegetarian and natural foods); Alfred's Ocean Beach (best breakfast); Xtabi (for sophisticated Jamaican dining); Cosmos (for beach dinner, especially fresh fish); and De Bus (unusual herbal jerk sauce).

ALTERNATIVE CLUB

Juicy's (herbal love potions and organic teas); The One-stop (located in the center of town, serving late-night ackee and peas); the Soup Carts (which move around town, serving cheap, filling soups); the Original Jerk Chicken Wagon (serving spicy chicken all night long and usually located near the center of town); also check out the bakery located inside the supermarket for great Jamaican patties, vegetarian and meat.

GANJA

Scoring primo bud in Jamaica isn't hard. It's best, however, to deal with an herbsman who has provided you with killer bud in the past. Here is a rule of thumb for rookies: Don't cop on the beach. It is probably sucker-come-on herb. Be patient and deal with the ganja merchant in your area or hotel. Ganja is illegal. If you are caught with large amounts, you may find yourself in the local jail. Be discreet. Do not smoke in restaurants, hotel lobbies, or on the beach. The safest place to smoke is your own room.

continued from page 46

vegetables, and fresh fish, brought in daily by Rasta fishermen. I always shop here to provide the fans with a fresh meal back in Negril (see sidebar: Pan-Fried Jack Fish).

After a day of rest, we made our first thrust into the Jamaican hill country. Unfortunately, because of the current situation in Jamaica, we cannot reveal the location of any ganja fields. Our trip lasted several hours and involved climbing heavily rutted dirt roads. Before long, our sewing machine engine rent-a-wreck was smoking and overheating. Our driver, Paul, drove up steep hillsides like a man possessed, a fat joint hanging out of his mouth. As we reached the top of the mountain, we spied a pair of donkeys tethered alongside the mountain path. A grey-haired Rasta man leapt out of the weeds and confronted us with a big smile.

"Peace and love," he said. "What may I do for you, mon?"

"I am searching green field of Jah herb," I answered.

"Come wid me down the road," he said.

We followed the mountain dread through a field of sugar cane, down to a small, dirt floor shanty shack. He invited us in and fed us on bananas, mango, fresh papaya, and sugar cane. "I have little, but I am a very

happy man," said the Rasta.

We bid him farewell and continued on our mission. Huffing and puffing, we crawled our way down a steep, muddy slope. Suddenly, I spied a few plants. The ganja began to appear out of nowhere. Soon, we settled in and began smoking mass quantities of ganja. We discussed farming techniques, fertilizing, cloning, and cross-hybridization. Unfortunately, Jamaican farmers do not believe in the use of any fertilizers, chemical or organic. Since they are located in the tropics, they have only a thin layer of red topsoil, most of which has become seriously depleted of nutrients. Even though they have an abundance of dead organic matter (as well as a large number of bat caves), they make no compost and manufacture no organic fertilizers. Consequently, they have the lowest productivity of any farmers in the Caribbean.

The afternoon was full of good vibes, but the safari gang was getting nervous sitting in a large field of ganja. Visions of DEA helicopters danced in our heads. Rambo business.

"Quick, back to Negril."

So up the hill we went to the car, and then down the mountain, riding off to the west, back to the home base. ●



Breakfast at Alfred's Ocean Beach with Chef Ra and Chef Ayatollah.

PAN-FRIED JACK FISH

**Two-pound jack fish fillets
(one per person)**

2 cups flour

1 medium yellow onion

1/2 green pepper

**Fresh hot peppers (small red,
yellow or green)**

1 cup vegetable oil

3 crushed garlic cloves

Salt and pepper to taste

Clean fish under running water. Put moistened fillet in brown paper bag with flour, pepper and garlic. Shake. After fish has a light coating, place in pan of hot oil and cook until golden brown. Toss green pepper, onion and hot peppers in frying pan and grill until cooked. Serve on top of fish, along with fried potatoes and tomatoes.



RASTA RECIPES

GANJA CAKE

2 cups flour

3 teaspoons baking powder

1 1/2 teaspoon nutmeg

1 stick butter

1/4 ounce fine sinsemilla

1 egg beaten

3 bananas

1/2 cup milk

1 teaspoon vanilla

Clarify the butter and mix with sinsemilla. Set aside. Mix together nutmeg, flour, baking powder in small bowl. Cream butter and sugar, and mix until smooth. Add egg and bananas (mashed into a paste). Mix until very smooth with butter and sugar. Pour in milk, add vanilla, and then pour mixture into greased cake tin. Bake at 350 degrees for 45 minutes or until brown.





PHOTOGRAPH BY ANDRE GROSSMANN

HURRICANE
HOOCH



BY ED ROSENTHAL

ASKED

PLANT OF THE MONTH



It's July in California. This plant came up a volunteer. (Oops, I must have dropped a seed.)

NORMLY yours,

—Leroy Beans, Knott's Berry Farm, CA

Here is an August 1 picture of my little plot. I thought my method of concealment might be of use to others. I took down an old stone wall, put down 2 large cubes of soil-less mix and built the wall back up around them. In the middle of May, I put eight, six-week-old plants (four each) into holes cut into the tops of the cubes. I used a mild 5-1-1 fish emulsion for a month and then went to a 20-10-10 at half-strength every fourth watering. This solution was supplemented a few times with an iron and trace element additive. In mid-June, four plants showed their male flowers and were removed. That left two plants in each cube—a perfect fit! I then went to a 10-30-10 half-strength every third watering.

The seeds were ninth generation *indica-sativa* cross that has been bred locally. The garden is between 42 and 42

continued on page 57

OUTDOOR GARDEN OF THE MONTH



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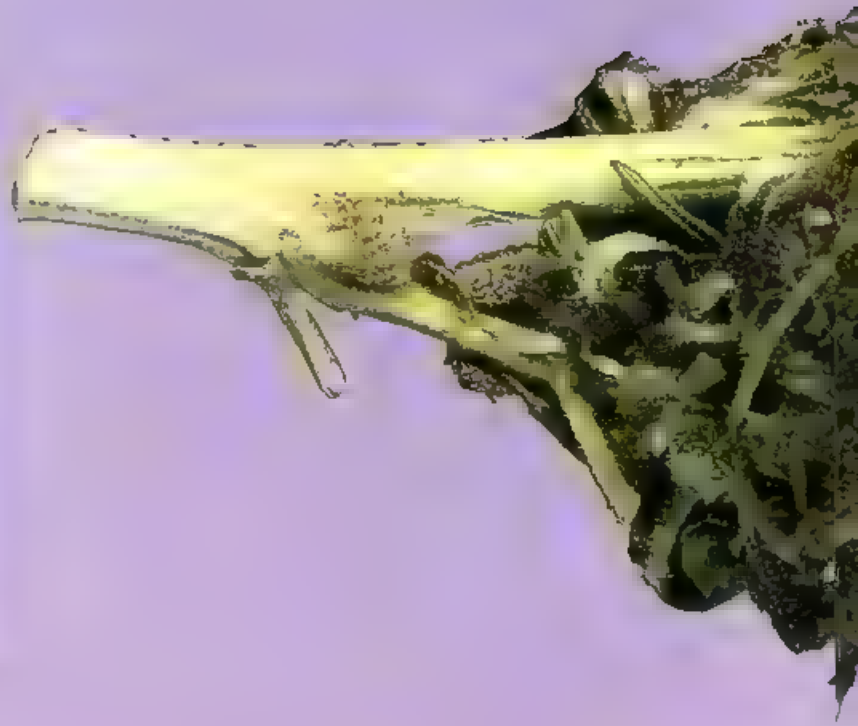
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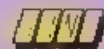
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11/11/11

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11/11/11

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SEPTEMBER

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SEPTEMBER

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We have a double winner for Indoor Garden and Bud of the month. The climate is right in Dayton, Ohio
— Chink, Dayton, OH



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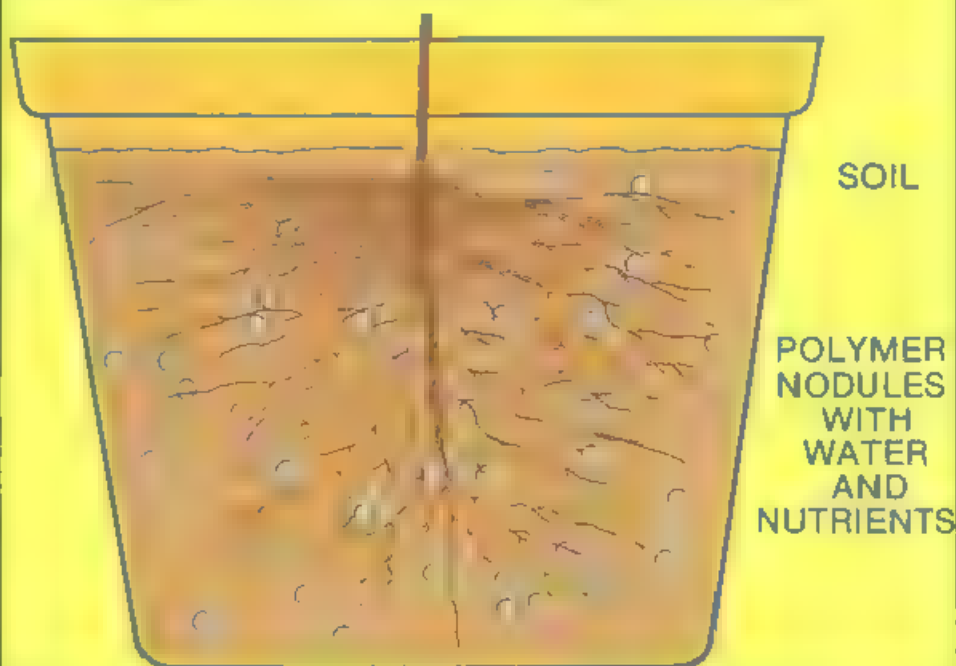
by Dr. Zee



WITHOUT POLYMERS

WITH POLYMERS

ROOT SYSTEM IN POLYMER-MIXED SOIL



Thanks to science, the next few years will mean better times for growers, outdoor and indoor alike. Super absorbant polymers, a significant high-tech advancement, are now available to everyone. These polymers absorb water and nutrients and retain them for release upon demand. Polymers can absorb three to four hundred times their weight in nutrient laden water. Adding polymers to the growing medium can increase yield up to 50%, while significantly reducing watering demands.

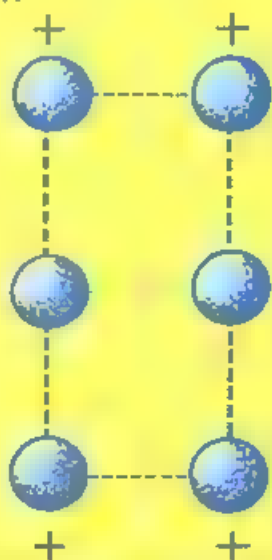
Watering too much or too little has plagued growers with poor yield, mold, root rot, and plant death. Many of us have lost crops due to missed waterings. Should an emergency arise, as they sometimes do, and you have to leave your plants, whom do you trust? You can trust polymers. They won't rip you off, snitch on you, or neglect your plants.

Polymers are pH neutral and will eventually (in 5 years or so) break down. The honeycomb structure of the membranes swell as they absorb moisture and then release it upon demand. This unique feature reduces watering as much as 50%. If you have ever lugged water to a remote growing area, you know what good news this is.

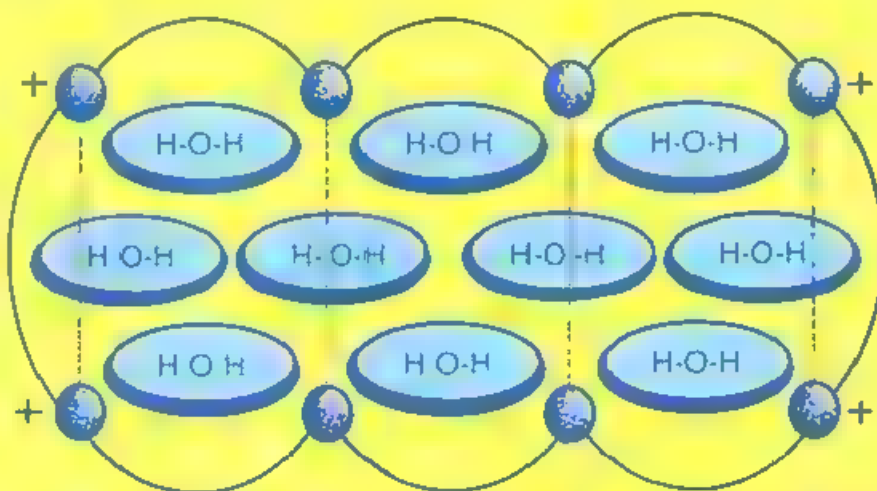
Polymers look like crys-

TYPICAL POLYMER MOLECULE

Each polymer molecule has in its structure two main parallel groups of atoms which are periodically joined by connecting links (cross-links) as shown below:



When water is added, an electro chemical repulsion takes place which causes the main branches of the molecule to repel each other like poles of a magnet. As this happens, water is drawn in between the branches resulting in a rapid swelling of each particle and a rapid absorption of water as shown:



LIKE POLARITY PARTICLES REPEL, BUT ARE PREVENTED FROM EXPANDING TOO FAR BY THE CROSS-LINKS (!).

tals when dry; when wet, they swell and retain moisture and nutrients. Without polymers, most of the water runs off too quickly to be absorbed by the root system. With polymers, water loss through evaporation is virtually eliminated. Polymers retain and release 90% of the moisture added to the soil.

Before adding polymers to the soil, they should first be soaked for between five and 15 minutes. Follow instructions for the proper mixture of soil and polymers. Water the plants normally for the first two or three weeks to allow the polymers to swell and the root system to attach. After this period, watering can be reduced to once a week or

once every other week.

For potted plants already growing, puncture 10 to 12 dime-sized holes in the soil five to six inches deep, add a spoonful of polymers (soaked), then fill with soil, and water. Ideally, you should pre-mix the soil and polymers.

This grower has had excellent results using Broodleaf P-4, which is available, along with other brands, through most nursery outlets. Other brands are likely to be just as good.

Polymer-mixed soil stays aerated, resists hardening and packing, and eases root growth. The new polymers resist decomposition which makes their use cost-effective and efficient. Try it, you'll like it! ●

TECHNICAL DATA SUPPLIED BY ADVANCED COMMERCIAL RESOURCES, INC.

Polymers are available at many gardening centers. They can also be ordered from the following companies:

Advanced Commercial Resources, 3989 Hialeah Drive, Cleveland, Ohio 44134, (216) 842-6925.

The Urban Farmer Store, 2833 Vicente Street, San Francisco, California 94116, (415) 661-2204.



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Ask-ED

continued from page 52

30' N. lat., at an elevation of 1400 ft. Each year, the earliest flowering male is used to breed with the earliest flowering female. The results are that these plants begin flowering in early July and are harvested from late August through September, long before the frost and hunting seasons.

I will be hand-pollinating in a few weeks, using my best looking male stud (in another area) and selected buds on my earliest-flowering female. Yields range from 1.5 to 2.5 lbs. per plant. It is an astral sativa high, one toke, two tokes max. A beehive between your ears!

Also, these plants got direct sun for 14 hours a day on August 1 and have been flowering since July 7, when the days were even longer.

This picture (pg. 52) is a California Big Bud that just started to show female sex. All factors being the same, you can see that it is six weeks behind the other three plants. I have a Big Bud male going and will pollinate when the time comes. I also plan to cross my early flowering strain male with it.

Thanks for the "Tips."

Truly yours,

—*"Stonewall" Jackson*
Western MA

OUT IN THE COLD RAIN AND SNOW

Dear Ed,

What types of winters can marijuana seeds survive?

Love,

—*The Breeder*
South Jersey

Hemp seeds dropped by feral plants in the Midwest readily survive 0 degrees F. temperatures and generally foul winter weather.

Marijuana seeds kept in a freezer for extended periods of time retain their vitality.

AMMONIUM FOR HYDROPONICS?

Dear Ed,

A fertilizer manufacturer claims that its hydroponic plant food is ammonia-free and is a must for hydroponic systems. How true is that claim?

—*Jack Death*
Windsor, VA

Many texts on hydroponics state that only non-ammonium formulas should be used. They claim that since ammonia is so readily available to plants, they tend to grow longer internodes and weaker stems.

Some hydroponic fertilizers do con-

tain ammonium, but plants still grow well. Not using ammonium is most important when a garden is warm. Plants have a tendency to stretch under hot conditions. Ammonium accentuates this tendency.

ED'S COMPLAINT

I was in the HIGH TIMES office the other day, and John Holmstrom was totalling the contributions to the NORMLTHON that the magazine sponsors. John was encouraged by the total, a little less than \$2,000. I was appalled. HIGH TIMES has about half a million readers, and they gave an average of just over one-third of a cent each. This is horrendous.

Every month I receive letters complaining about NORML's lack of action. But how can an organization function without a budget? NORML is the only national group that represents the marijuana user, yet its own constituency—which regularly pays \$300 an ounce to get high—contributes just over a third of a cent to the people trying to keep them from getting busted! This is absurd.

NORML functions on a budget smaller than the incomes of some of our readers! Marijuana smokers should have more respect for themselves and the people trying to help them. If NORML had a larger budget, let's say \$50,000,000 a lot of the anti-pot legislation making its way through the government would be eliminated. With a budget of \$50,000,000—about a dollar per user—marijuana would be legal within a few years. When are you all going to wake up? You cannot sit back and expect positive change to take place. You must help.

During the NORMLTHON, I asked people to voluntarily send in \$1 with their questions. Most of you were too cheap to even do that. The reality is that if we want to stop the cultural genocide now taking place, we have to stand up for our rights. Supporting NORML is one way of doing this.

GIVE AN OUNCE. That's right. Each grower, smoker and dealer should give the dollar equivalent of an ounce of weed. Whatever an ounce of the weed you grow, sell or use costs, give that each year. If you spend \$70 on an ounce, give that. If you spend \$300, give that. It doesn't all have to be done at once. You can send a little each week or month. But if you don't contribute, the laws will never change, and we will all be subject to cultural genocide.

Think of your contribution as sort of insurance. It is still cheaper than hiring a lawyer when you get busted. If you are paranoid about having your name on a list, you can still give anonymously, so that is not an excuse. You can send checks payable to NORML to me, I'll make sure they get them.

Don't disappoint me. Send your money now. NORML needs it.

continued on page 59

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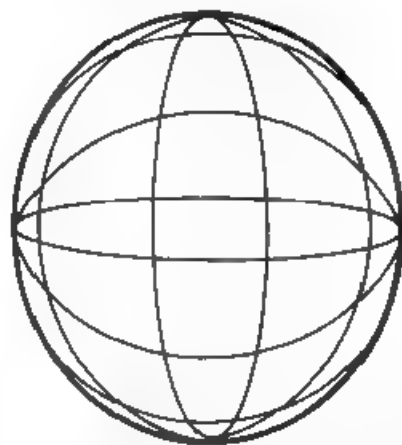
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by Ed Rosenthal

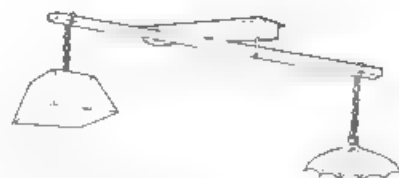


A few months ago a reader wrote that he used No-Pest Strips to eliminate insect pests and mites in his garden. Then Don Jackson of Nature's Control wrote a letter warning of the danger of using these insecticide laden devices. The May '88 issue of *Consumer Reports* has issued a warning not to use them.

According to the article, the National Cancer Institute has conducted studies showing that the active ingredient in the strips, 2, 2-dichlorovinyl dimethyl phosphate, causes cancer in animals and may damage the liver and nervous system.

The lifetime exposure to the chemical, which is commonly known as DDVP or Vapona, increases chances of contracting cancer by 1 in 100. Dogs and cats wearing DDVP-laden collars had a 1% increase in risk, too. The collars also increased the owner's risk. Sprays containing DDVP are also dangerous.

For safety's sake avoid any pesticide containing 2,2-dichlorovinyl dimethyl phosphate.



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ASK-ED

continued from page 57

LIQUID SUNSHINE

Dear Ed,

I recently read an article about a vitamin concentrate called "Liquid Sunshine", which is diluted in water and is applied as a foliar spray. The author of the article claims that it promotes extremely lush vegetative growth and extremely profuse heavy flowering. He described a 12-foot corn plant yielding 20-25 ears of corn.

I have not been able to find it locally. Do you know where it is available?

Thank You,

—PH

Merrick, NY

Never heard of it. Maybe a reader knows something about it.

DRY UP OR DRY DOWN

Dear Ed,

In the Sept. '88 HIGH TIMES, several people wrote in about hanging plants to dry. You said to cut the plants into manageable-sized branches and then hang them to dry. Should they be hung up or down?

—Edith

Town withheld, WA

THC is produced near the site of the glands on the leaves and the buds and does not migrate. No matter which way the plants are hung, the THC will remain where it was produced.

When the plants are hung with buds pointing up, the fan leaves spread out and are easier to manicure. When the buds hang down, the leaves protect the buds and help stop THC glands from falling off.

LIGHT AND MEDIUM PROBLEMS

Dear Ed,

I have 75- and 50-watt Gro and Show bulbs and I use an inert soil of redwood and fir shavings and sand. The leaves turn bronze on the larger plants and burn on the smaller ones. What is the matter?

—Rookie

San Diego, CA

Wood shavings are not inert. They have non-neutral pH and they lack nitrogen. The wood uses some of the nitrogen from the fertilizer as soon as it comes in contact with it. This causes both fertilizer imbalance and pH problems. Incandescent bulbs emit an imbalanced light spectrum. Plants have a hard time under it, and grow spindly. They are also inefficient, as they emit about 1/3 of the light of a fluorescent, per watt.

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A N E W A G E S E R V I C E

ASK-ED

LOOSE BUDS

My last two crops had dense, tight buds except for the top two or three inches on the kolas. For some reason, halfway through the flower cycle, the tips begin to grow rapidly and form very few calyxes. It ruins an otherwise perfect kola. Can you help me?

—Mr Stink E Basement
Salt Lake City, UT

The buds were probably suffering from a change in temperature as they grew nearer the light. Another possibility is a change in fertilizer regimen.

LPS LIGHT

I would like to use a low pressure sodium light (LPS) for my garden. Would a four-foot 180-watt LPS be sufficient for good vegetative and flowering growth?

—Advice Needed
Greensboro, NC

LPS lamps emit light only in the 680-690 nanometer spectrum, a thin band of orange light. Although plants can use this light, it must be supplemented with light in the red and blue bands. This lamp cannot be used alone.

TIME LIMIT

Dear Ed,

I am starting an indoor garden using a 400 watt metal halide (MH). The plants will be grown in a mix of topsoil, pea gravel, vermiculite, peat moss and composted manure. I have only 4 months to grow.

What should the lighting schedule be? What size container should I use? Should I fertilize them?

—Name Withheld
Gunnison, CO

If you have only 16 weeks for the first crop, run the light continuously for the first four to five weeks. The plants should be 12-15 inches by this time. Then cut back the lighting to 12 hours per day until the buds have filled out, approximately six to eight weeks. Ripen them up under 14 hours of darkness per day for another week or two.

The plants should be spaced four per square foot, so six inch containers can be used.

Make sure that the mixture has a pH in the low sixes, so that the nutrients in the mix are available to the plant. When the plants are phased into flowering, the plants should be fertilized with a water-soluble flowering formula.

continued on page 68

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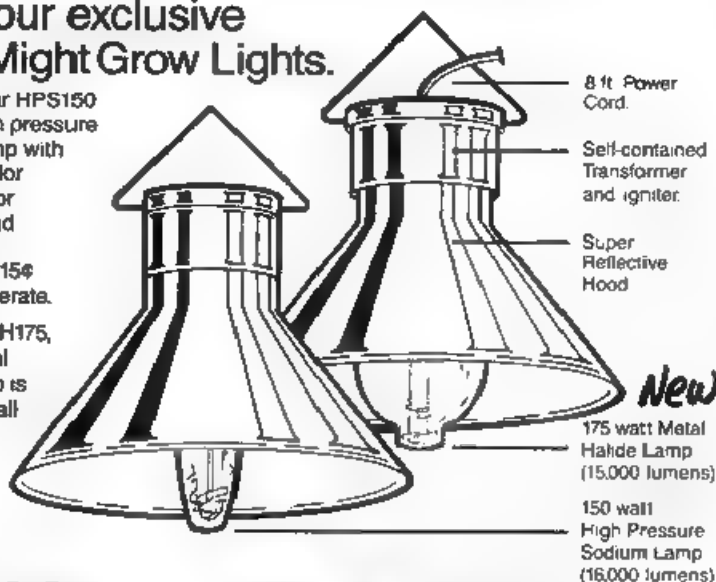
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HIGH ART

by Carlo McCormick



Adah Menken, pastel, colored pencil & acrylic on slate, 12" x 9", 1988.



Ed Gein, pastel, colored pencil & acrylic on slate, 12" x 9", 1988.

Tony

In our "just-say-no" age of zero-tolerance law enforcement, when twenty million plus of us are being politically and socially stigmatized just because we smoke pot, it is interesting for us to re-examine the role of the "criminal" and how that outcast category functions within the larger territory of the social order. This month, High Art features Tony Fitzpatrick, an artist of great vision who peers with humanist insight into the soul of our culture's outcasts. Whether he is portraying whores, drunks, topless dancers, sideshow freaks, murderers, or just ordinary down-and-outs from

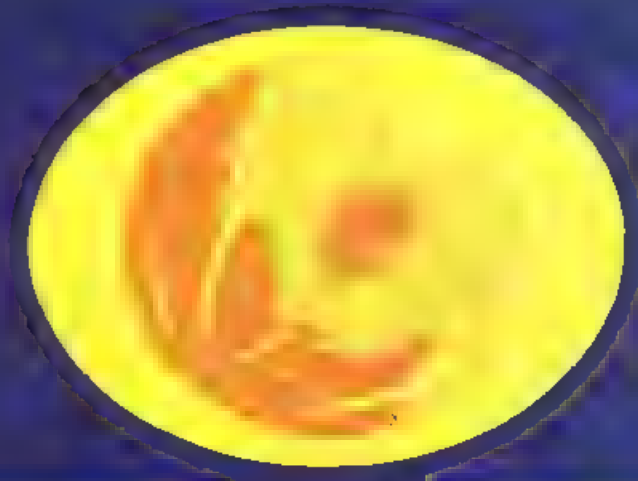
around the neighborhood, Fitzpatrick portrays them with compassion, believability, and unpretentiousness. Part voodoo art and part social realism, his spicy stew of mystic visions, insane delusions, and socio-anthropological observations evokes the terror and the trauma of our gravest transgressions without the condescending, sensationalist or glorifying tone that colors most perceptions of the lawless, "outsider" breed.

Fitzpatrick's freak show on parade is only a stroll down Mainstreet USA, where the line between that normal-guy-next-door and the monster acting out our darkest fears and fetishizations is but a fragile membrane in the collective conscience. Perhaps we need these

bogeymen/scapegoats more than we think, to inhabit our heart of darkness so that we can draw a fictional border between their taboo world and our own officially sanctioned one, to be the sacrificial anti-heros, the cathartic martyr/monsters that release our pent-up rage and denied desires. Maybe Fitzpatrick can understand the criminal outsider because he once was one, but this ex-con turned phenomenally-successful artist/writer/actor/radio personality (WLUP-AM 1000, Chicago) understands a lot more about life and hope than can be found between the walls of a jail cell. Those interested in how Fitzpatrick portrays the law can see him in just such a role in Jonathan Demme's new movie *Married to the Mob*. ♦



John Wayne Gacy, pastel, colored pencil & acrylic on slate 12" x 9", 1988.



the 1988 reader's Harvest Report





It seems like the "Drought of '88" wasn't as destructive to the nation's marijuana crops as was first feared. Sure, it made going rough on all you Guerrilla Growers; but your reports showed that, despite tired feet, aching backs, and drought (not to mention the more far-reaching efforts of the Reagan Administration's War on Drugs), this year's crop should be a feast for the eyes and head!

—Edie Barrett

CALIFORNIA

Greetings from Southern California! The surf isn't up where I'm at, and we're sweating out the annual dry season with typical Mexican and a little stash from last year's harvest. Any of the "goods" have been scarce and expensive. A surprise pop-up from an Alaskan strain has found a place in our lungs and our grow rooms. Our seventh generation Alaskan G100 wenches may be Harvest Report material. Aside from that, our harvest this year was started indoors in late November and budded in early March. The males were killed and the females placed outside after the equinox, sending them back into vegetative growth. Now we wait with watchful eyes! It's now late July and I can't get my longer-than-average fingers around the stalk.

Next spring brings talk of outdoor hydroponics, cross pollination, and maybe a widespread seed planting spree!

—Godzilla and the Axe Murderer
Island Empire, CA

Here's a report on my outdoor garden for this season. I prefer growing outdoors to growing indoors. For me, outdoor growing is a lot cheaper and more natural, although it is not as safe as

indoors. I live in an area where the chances of my getting caught are very slim.

In one area that covers 10' x 10' square, I have four *indicas* that germinated in April and were about six feet tall at the end of July. I have them in an area that creates a humid environment and the plants love it. I expect to harvest about two pounds of bud apiece.

In another area that covers 6' x 6' square, surrounded by berry bushes, is a skunk plant that I started in March. We had a very hard rain in the middle of April. The rain topped the plant naturally, but it survived and now has about 100 tops on it. I hope to harvest between three and four pounds of bud off that one plant.

Right next to a peach tree, I have two Thai plants that were started in April. They were approximately ten feet tall as of July 22nd. I should harvest a pound of bud off each plant. My total cost from seed to harvest is \$20 per plant.

I germinate my seeds in potting soil and transplant them when they're between one and two months old. The only commercial fertilizers I use are Miracle-Gro during the vegetative cycle, then I switch to 0-10-10 when they bloom. I also add to the soil before I put anything into the ground.

For the first time, some of my plant pistils are turning white. This is a first for me this early in the season.

On a final note, I have never produced a straight male plant so that I can start making seeds. The best I can do is produce hermaphrodites. I must be doing something wrong, although I only plant about 30 or 40 seeds per year.
—Always Growing Something
in CA

MASSACHUSETTS

This is my seventh year growing an *indica* strain I got from Vermont. This year's crop could turn out to be my best. If it's as good as last year, then it's going to be another easy winter.

My plants are much larger and fuller than ever. They started the early stage of budding recently. All males that escaped notice this spring have been pulled, except my one seed patch, as usual.

—The International Farmer
Somewhere in MA

MICHIGAN

It's early August here and the Skunk #1 from SSSC is unbelievable—the best plants I've had in eight years of growing.

My plants are 6 to 7½ feet tall already. They have more budding sites than my

apple trees. I have two patches; one has four plants, the other has six (all females). One patch looks like a 40-foot diameter bush! My partner, four houses away, says he can smell skunk at his house if the wind is right.

Hey, fellow farmers—don't forget to donate some bucks to NORML. I wish you all a safe and prosperous season.

Peppy La Few
????, MI

Yes, it was a hot summer in Michigan this year! Even though there was a drought in the beginning of growing season, my plants got all the water they needed because my favorite growing area has a creek nearby. I ended up with 21 females from my 14th generation hybrid seed. The plants measure from 6 to 13 feet and will be ready to be harvested in the middle of September. So, overall it was a good growing season for me.

—the Mid Michigan Guerrilla Farmer

First, let me tell you about my system—a 250 watt HPS lamp and an old Phototron plugged into a lamp-timer. I grow in three-gallon ice cream buckets and various house-plant pots. I water my plants with tap-water every couple of days, sometimes I add Dry-Gro. My growing area is a sealed closet with a padlock on it—no air in, no air out.

Due to unfortunate circumstances, I had to harvest early. Half of my plants were just starting to bud and the other half were in total vegetation.

I dried half the crop in sealed plastic bags and the other half in open plastic bags. The herb in the sealed bags cured well and had a great taste; the herb in the open bags tasted green but was ready in two days.

Now I have eight varieties to choose from. Colombian gold, Mystery *indica*, Jim's *sativa*, Jim's *indica* (this gets best buzz award), Mexican *sativa*, '70s gold, Jay's green, and Afghan pine *indica*.

—Wobbly
Growing in MI

This year, I started 3rd generation Afghani from seed in late February. The plants were transplanted from grow pots in late April when they were 12-14 inches tall. I've only had to fertilize three or four times with six inches of straw mulch and the help of the big guy upstairs (Thanks for the rain!)

It is now early August and the plants are 8-11 feet tall. All males have been pulled and I'm going to apply a couple of good doses of Peters 15-30-15 to promote healthy budding. My plants should average 1 to 2½ pounds if they follow last year's growth patterns. And believe me, that's the sweetest smell of success I know.

—Jendog
The Ozarks, MO

the 1988 reader's Harvest Report

NEW JERSEY

I sowed about 100 seeds toward the end of April, a quarter of my crop was Northern Lights, a quarter was my own seed, and the rest were seeds of unknown origin (from good bud)

After the plants passed their delicate stage, I sorted out the runts and moved the rest to plots

By July 1st, all plants were sexed and sorted again. I took cuttings from some favorites and placed them under my 400-watt MH Grow Wing. They are now about one month into their flowering cycle and look great!

I'm so impatient—I must exercise some control, but I can't help it! I love to visit my 15 big, beautiful babes!

—*I M High*

Deep in the Heart of Jersey

NEW YORK

This year's attempt is a small patch with five Skunk #1 x Afghani #1 clones. The tallest is now a substantial seven feet

I have always had a problem with too little sun and late maturing Hawaiian

strains. So this year I chose the sexed clones and a new site. With the help of my friend "The Tree Climber", we cleared enough of an area to help my girls reach maturity.

The weather has dried up my stream, so water must be constantly toled to them. So far, the insect population has caused no problem, and I've solved the wildlife problem by using tomato cages.

—*Persistent*

Willow, NY

OHIO

Spring was good, plenty of rain and lots of sun. Summer was tough—"The Drought of '88" was hard on the back and on the feet, but I'm looking at the largest harvest I've had in years.

I usually have a problem with slugs eating my crops, but between the sand at the base of the plants and the dry weather, they didn't do me in this time.

I've got some real beauties. Two plants are over nine feet tall and are just starting to bud. The other 33 are four to six feet and as healthy as ever.

I hope to take a few first places at the harvest festival this year, but if not, who cares? It was fun and we'll all get high. Thanks to Ed for all the tips, and keep up the good work, HIGH TIMES!

—*The Mountain Planter & Mutants of the Meadow*

?????, OH

VERMONT

We have 22 small gardens, ranging from 4' x 5' to 20' x 20'. They were limed and fertilized in April and May. The seeds were planted directly into the ground. We used M11, M33 males x M11, M33, M39 females.

New England soil is very acidic and requires 5 to 15 pounds of lime per 100 square feet to get the pH to seven. Slugs wiped out two gardens and hurt several others. (These were later replanted). Six gardens have been munched by deer and moose and will be ready very late.

We use 10-20-20 with micronutrients. We don't mind leafy plants and are not really looking for leafy buds.

We're not too nervous yet. That won't come until the buds swell up in September.

—*The Burning Bush Ganja Company*
Woodstock, VT

WEST VIRGINIA

With your expert growing tips and experienced growing advice, I was able to grow 12 purple skunks from seeds, indoors, and I harvested seven big beautiful ladies that gave me 2½ pounds of prime sinsemilla skunk. It was totally awesome! Thanks again 2 U!

Hillbilly Junction
Out here in WV ●



This photo speaks for itself—female Early Pearl clones to be harvested in mid-September.

—*Face for Brakes*
Toronto, Canada

DRUG WAR

continued from page 36

pathological user" at the time he "voluntarily" entered Straight. When asked how he would define a pathological user, Dr. DuPont replied, "Use of drugs in a pattern that is recklessly disregarding the real interest of the individual. There were at least two striking examples of that in that year we are talking about. One of these was his inability to continue on INH [a medicine which had been prescribed by a doctor] because he chose to drink instead, and the other was his risking his financial support to go to college and choosing marijuana instead. I considered both of these sick, pathological, and evidence of drug dependence."

There are standards by which fairly objective and impartial judgments may be made as to whether an individual is suffering from the disease of drug abuse. Some of the most authoritative have been formulated by the American Psychiatric Association. The primary APA diagnostic criteria for cannabis, or marijuana, abuse are "intoxication throughout the day, use of cannabis nearly every day for at least one month, episodes of cannabis delusional disorder." A related standard is "impairment in social or occupational functioning due to cannabis use." As Phil Hirschkop read these and other tests of cannabis pathology to Dr. DuPont in the course of the cross-examination, the physician admitted that none of them applied to Fred in any clearly significant manner.

The majority of the jury simply did not feel that the evidence showed Fred to be drug dependent. Moreover, they distrusted Straight's primary expert witness. "DuPont's tie-in with Straight was obvious," a juror observed. "He seemed to bend his testimony to protect his client. We believed Dr. Egan; he gave what appeared to us [to be] good professional advice."

James Harold Egan, chairman, Department of Psychiatry, Children's Hospital National Medical Center in the nation's capital, provided a different professional vision of the universe of youth drug taking and of the medical status of one young man. Dr. Egan's vision has a fair number of scientific and lay supporters, but it is ignored by most major political and scientific policymakers today.

"I think Fred had a number of devices that he used to defy authority. They were rather typical adolescent ones, I must say, letting his hair grow very long and wearing used, beat-up old clothes and getting an A one semester in a course and getting this supreme pleasure of getting a C the next semester, to sort of thumb his nose at the teacher, the equivalent of what many adolescents do as they attempt to become autonomous adults.

Even if Fred had continued to smoke marijuana in defiance of the ultimatum

allegedly issued by his father, Dr. Egan, unlike Dr. DuPont, would not have seen that form of adolescent risk-taking as necessarily a clear sign of drug dependency. "It depends on the motive for the risk taking. If one takes the risk because one has a compelling need, then one would say that the risk-taking is dependent on the drug. With a number of young people that I see, the drug is merely the instrument or the pawn in a battle with their parents, and not the problem itself," Dr. Egan stated on the witness stand.

On the basis of having examined Fred for several hours (which Dr. DuPont never bothered to do) and of having read most of the important records, Dr. Egan stated flatly on the witness stand, "I do not think that he was at the time or now chemically dependent on any drugs." In making this diagnosis, the physician apparently closely applied the APA criteria that Dr. DuPont largely seemed to ignore. Even though Fred did occasionally use drugs, he was not regularly intoxicated, and he was functioning well academically, socially, and personally. "Let me be very frank," Dr. Egan interposed in the midst of a question being put to him on the stand. "Were I to have seen him as a patient in my office, I would not have referred him to a drug rehabilitation program." The next question was, "Do you think he needed any treatment for drug abuse at all?" The immediate, firm response was, "No."

FRED WINS TWO JURY VERDICTS

On the fourth day of the trial, the case went to the jury. The jury was most influenced by the solid evidence that Fred, at 19 legally an adult, had indeed been imprisoned against his will. Had the jury believed him to be a true drug abuser, they might have doubted his ability to object to his imprisonment. That issue did not arise, however, for the six citizens did not believe that the evidence showed Fred Collins to be a drug addict. To the surprise of all concerned, the jury took very little time to deliberate.

While the verdict was in favor of plaintiff Fred Collins on the claim of false imprisonment, for some reason the jury decided to find for the defendant on the claims of intentional infliction of emotional distress and assault. After having rendered such a speedy verdict, it was then the turn of the members of the jury to be surprised. Judge Bryan announced that this was a bifurcated trial and that there would be a separate trial on the issue of the extent of damages.

On May, 25, the jury retired to commence its deliberations, which were much more heated than the first time. The lone woman juror wanted to do precisely as counsel Ronald Goldfarb urged in pleading for a "Toughlove

verdict"—an award of one dollar. She felt that Straight was doing vital work which should not be curtailed. Psychologist William Watson later told me that he believed that a substantial penalty had to be imposed, perhaps in the neighborhood of \$100,000. Louis De Santi found himself "100 percent pro-Fred Collins." He thought Fred was "a regular guy" and that he had been severely hurt by Straight and by his parents.

The most forceful juror seemed to have been Robert H. Hartzell, who was a relatively high ranking federal civil servant. While he was appalled at the revelations of drug use, Hartzell was even more disturbed by the tactics of Straight, Inc. "I found myself angry... I had concluded that... regardless of what their motives were, if not nipped in the bud, [their tactics] were the seeds of destruction for a nation."

"A look of shock fell over the faces of the attorneys for both sides as the decision was read in a stuffy, packed courtroom," said a newspaper account. The verdict: \$40,000 in compensatory damages and \$180,000 in punitive damages, a total of \$220,000.

Fred spent the Christmases of 1982 and 1983 away from his family and utterly depressed. The young man looked forward to spending the Christmas of 1984 with his own family in an attempt to re-establish a relationship. When he returned to the family home shortly before Christmas day, he found his brother, George, now a Straight Seventh Stepper (in the most advanced phase, out in the community) to be a drug-free but hostile human being. For the first few days, though, events went relatively smoothly. Then his father discovered upon reading a newspaper that Fred had told some reporters of his hope for a family reconciliation.

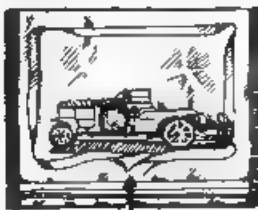
An argument ensued over the unwanted publicity. Fred Collins was again cut off from his family and more deeply depressed than ever. For several years he remained an orphan of the war on drugs.

Between December 1984 and December 1986, despite repeated attempts, I was unable to find Fred nor was I able to contact him through his family. They refused to speak to me on the telephone nor would they answer my letters asking about Fred's welfare. I was worried about him—and them.

Out of the blue, Fred called me in early December 1986. He told me that he had just discovered my letters lying about his parents' home. They had never told him about the letters or about my frequent attempts to contact him. Fred told me that he was doing well, that he had completed his undergraduate work and was pursuing a master's degree at Virginia Tech. The young man claimed that he was reconciled with his family but that they simply did not talk about their ordeal with Straight.

The matter has never been faced or resolved. ●

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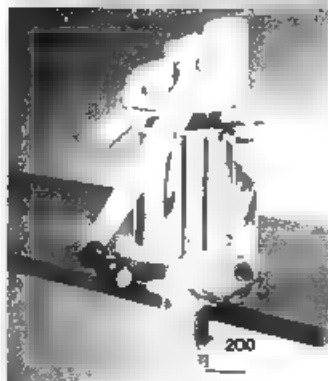
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ASK-ED

continued from page 60

SPRITZ THE ROOTS?

Dear Ed,

I sprayed seedlings with seltzer water and they really seemed to get a boost from it.

My question is, what effect would spraying seltzer water directly into the soil have? Would the roots absorb the CO₂?

—C-D-2

South Bend, IN

While the green parts of plants absorb CO₂ and use it for photosynthesis, the roots have no use for it. They use oxygen.

HEAT & CO₂

Dear Ed,

I would like to use a catalytic heater to make carbon dioxide. I figure it is cheaper to use and it can't produce carbon monoxide. The heat it adds to the house is a bonus. Is it safe for continuous use? How do I regulate the heat it produces?

—G

Thief River Falls, MN

The only heaters safe for indoor use run on propane or LP gas. Kerosene and gas heaters may release dangerous carbon monoxide, a colorless, odorless gas.

Each pound of fuel produces about three pounds of CO₂, 1 1/2 pounds of water and 21,800 BTUs of heat. One pound of CO₂ fills a space of about 8.7 cubic feet.

CANDLES FOR CO₂

Dear Ed,

I have a closet that holds 2,000 liters (about 3'x 3'x 8'). I found that a birthday candle went out after burning up about 1/10 of itself in a one-liter jar. Since there is about 20% oxygen in air, I used 0.2 liters of oxygen. I estimate that each candle will produce two liters of CO₂. This could be a cheap way of supplying CO₂ to the plants.

Yours Truly,
—Edward S.
Austin, TX

For every two liters of oxygen used, three liters of CO₂ are created. These are the two liters of oxygen and the carbon, now a gas, which occupies one liter of space.

The CO₂ content of the air should be raised to between 0.2 and 0.3% or four to six liters of gas inoculated every three hours.

continued on page 70

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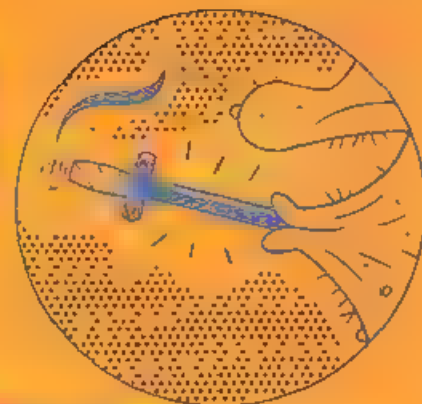
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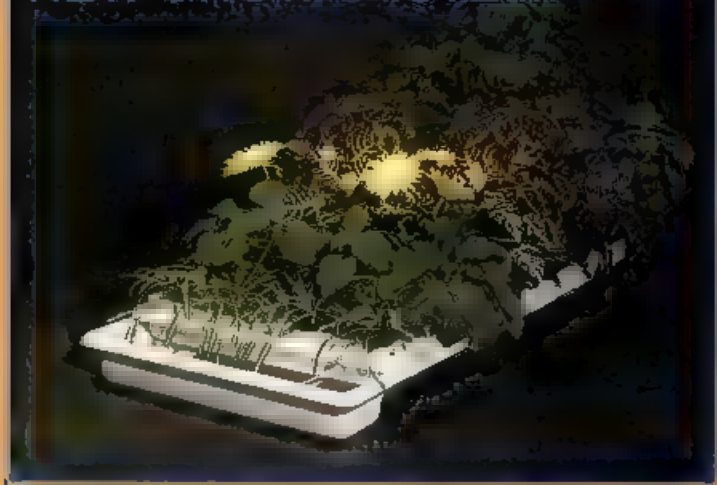
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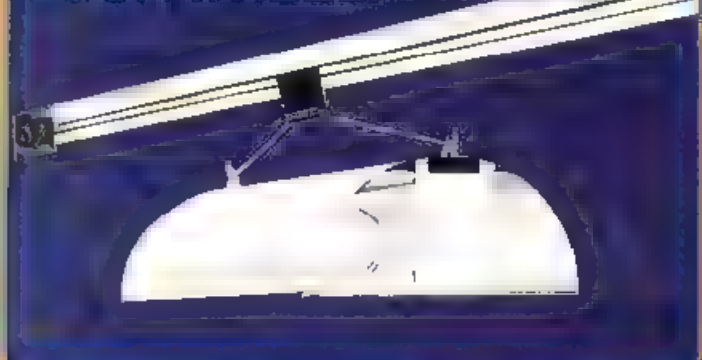


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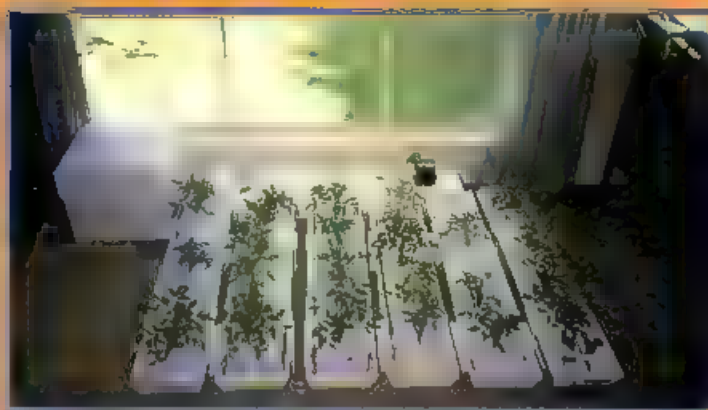
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Ask-ED

continued from page 68

A JUG OF WINE AND CO,

Dear Ed,

I grow a few plants under fluorescents and have four jugs of wine fermenting. I adapt the jug caps with tubing stretching over my plants so that they get CO₂.

What would happen if you tossed some shake into the wine?

—Twenty-Two

West Sacramento, CA

Some of the THC would dissolve in the alcohol of the wine.

By the way, the wine ferments actively for less than two weeks. After that, there is only secondary fermentation that proceeds at a slow rate.

COLORED MULCH

Dear Ed,

I came across an article titled "Vegetables Have Favorite Colors Too", in the August-September '88 *National Wildlife*, published by the National Wildlife Federation.

The article states that Michael Kasperbauer and Patrick Hunt at the USDA's Soil and Water Conservation Research Laboratory in Florence, South Carolina, have found that vegetables respond favorably to particular wavelengths of reflected sunlight. Tomato plants grown over red mulch produced 20% more top quality tomatoes than those grown over black plastic. Potatoes and green peppers show a distinct preference for white mulch.

What do you think?

—D.J.

Salem, OR

White mulch reflects light back up to the leaves and growing areas of the plants. Increased light means increased growth. No research has been done on other wave-lengths which the plants might prefer.

MOLDY POT

Dear Ed,

I bought some herb and kept it in a zip-lock. It was very moist. After a month, I took it out and it was covered with white stuff. I put it on a plate to dry. The white stuff kind of disappeared, but the stuff tastes like Mexican dirt brown weed.

Is this weed going to kill me or did I already die?

—Steve

Flagstaff, AZ

The white stuff was some sort of fungus or mold. The growth might not harm you, but it is not good for you either.

continued on page 73

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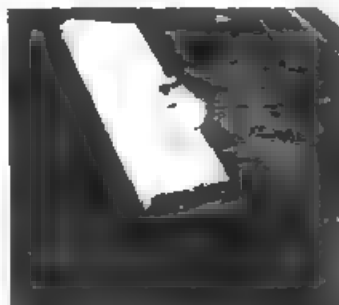
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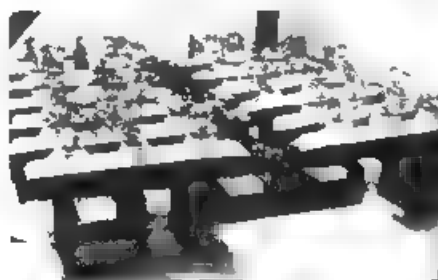
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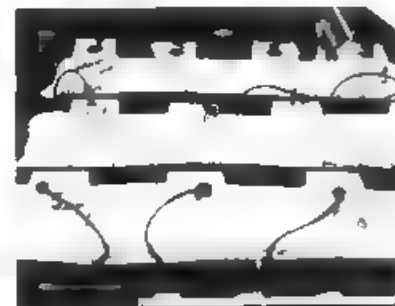


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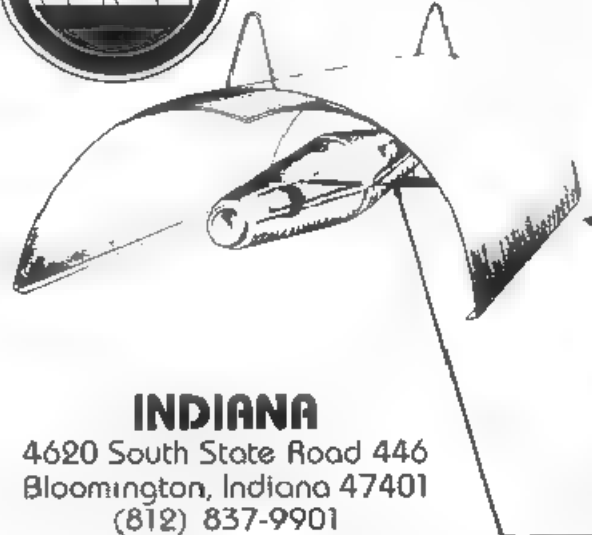
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**HIGH
TIMES**

CULTIVATOR'S NEWSLETTER

VOL. 1 NO. 1

EDITED BY ED ROSENTHAL

WINTER 1989

**CLONING: 18, 20 OR
24 HOURS OF LIGHT?**

**EFFECTS ON POTENCY
ULTRA VIOLET LIGHT**

HIGHER YIELD INFORMATION READING

The new "HIGH TIMES Cultivator's Newsletter" will be the most important source of information for people who take cultivation seriously.

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- Don't miss any of the valuable information. The information found in the premiere issue, January, 1989, will more than pay the price of the subscription.
- A partial listing of articles in the first issue: U.V. Light report; Two growing mediums better than Rockwool; New light cycles to increase growth.
- Research will be directed by Rob Clarke and Ed Rosenthal. Rob Clarke, the author of *Marijuana Botany*, holds a Masters degree in the evolution of cannabis. Ed Rosenthal is a HIGH TIMES columnist and author of *Marijuana Growers Handbook*.
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ASK-ED

continued from page 70

WIND FOR POT

Dear Ed,

Four weeks ago I started four clones, from female plants I was growing outdoors. I used a powdered rooting hormone and the clones took beautifully. I transplanted two of them in two-liter soda bottles. I placed a small fan next to them on low speed. Is it my imagination or are my plants really looking better from the artificial wind?

Thanks,

—Scruffy Zimmer
Upstate, NY

A breeze moves the used-up air, high in oxygen away from the plants and replaces it with fresh air, high in carbon dioxide (CO₂). With more CO₂ available, the plants grow better.

WATER AND LIGHT

Dear Ed,

I have two questions.

I use tap water in my hydroponic system and am experiencing no problems. How important is it to use distilled rather than tap water in the unit?

I have read conflicting reports on whether to give plants a regimen of continuous light or 18 hours a day during vegetation. Some authors state continuous light promotes rapid, vigorous vegetative growth, as well as being excellent for regeneration of plants for a second harvest. Another author states that continuous light is a waste of electricity because the plant is only able to utilize 16-18 hours of light. Another author says continuous light sets the plants' biological clock back to zero and should never be used. What's the real scoop?

—Indoor Cultivators of Li'l Rhody
Newport, RI

Water which is relatively free of mineral content and near seven pH can be used successfully in hydroponic systems, just as you are doing. Distilled water is required only when the mineral content of the tap water interferes with nutrient uptake. Don't fix the water if it ain't broken.

As long as there is light, and the plants other needs are met, marijuana will continue to photosynthesize and grow. It does not require a "rest period" of darkness. I think that some people think marijuana needs a rest for anthropomorphic reasons; they attribute human needs to other species. The company which stated that cuttings revert to a biological age of zero under continuous light did more experiments and now retracts that statement.

continued on page 85

UNDERGROUND ECONOMY

□ **GUERRILLA CAPITALISM: How To Practice Free Enterprise In An Unfree Economy**, by Adam Cash. How to do business "off the books" • How to invest unreported income • How to evade the IRS • How to cash checks without running them through your bank account • The very finest how-to-do-it book ever written on the Underground Economy! 5 1/2 x 8 1/2, 172 pp., illustrated, soft cover. \$10.95.

□ **JOB OPPORTUNITIES IN THE BLACK MARKET**, by Burgess Laughlin. Examining in vast detail black market businesses as diverse as narcotics, people-smuggling, gambling and bootlegging the author covers Pay • Organizations • Risks • Advancement • Culture • Society • Prices • Benefits • And much more. The author also shows the roles of retailers, wholesalers, organizers, smugglers, middlemen, entrepreneurs, and their assistants in the black market. 5 1/2 x 8 1/2, 144 pp., illustrated, soft cover. \$9.95.

□ **ADVANCED INVESTIGATIVE TECHNIQUES FOR PRIVATE FINANCIAL RECORDS**, by Richard A. Nossen. This is a manual written for government agents describing in amazing and chilling detail how to "Al Capone" a guy — how they snoop into your private financial records, discover unreported income and nail you for income tax evasion. Yes, it can be done to anybody, as the author who served for 24 years with the IRS into ligence Division, makes clear. Protect yourself by knowing the government's methods! 8 1/2 x 11, 88 pp., illustrated, soft cover. \$10.00.

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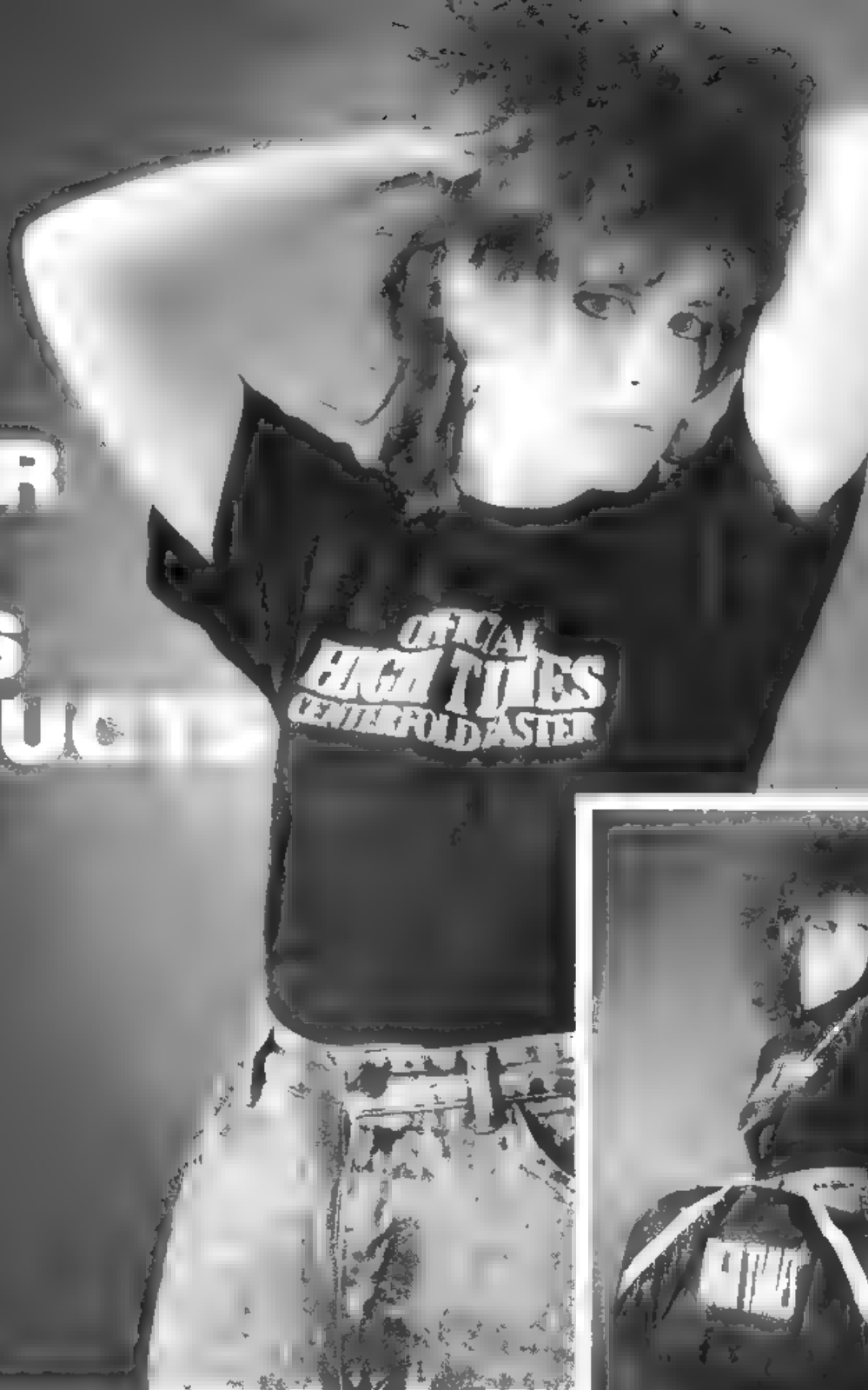
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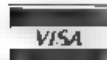
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HP68

JOHN WILCOCK

continued from page 43



PIGS SHOOT TO KILL-- BYSTANDERS GUNNED DOWN



HIGH TIMES drew more than just inspiration from the underground newspapers of the '60s—many veterans of the scene worked here after the movement dissipated.

Mailer had offered me dope, and all kinds of people offered me dope. They said, "You understandably are nervous about drugs and stuff, but we'll keep an eye on you. We want you to take these pills as an experiment and we want you to just hang out here. For three hours, you'll feel real happy and we just want to take notes on what you say and stuff. And then afterwards, we want you to fill in a questionnaire."

And I said, "Oh, shit. Why not? Anything for a column." So I went up there and took these pink psilocybin pills and just totally freaked out. I had a marvelous time. I was so happy all afternoon. They took me out on 42nd Street and I was giggling away at everything. Suddenly, I saw a cop coming and I froze. I said, "There's a cop! There's a cop!" And Dave leaned over and said, "No law against laughing, man." Which is one of the great early insights I had, you know, when I was stoned. So that's what got me into dope.

I think I was probably the first person to write about dope in a relatively straight American paper. I started picking up mentions of it, like, say, the British Medical Association covered some report that had been made in India, and they quoted me from there. But that's getting ahead of the story.

HT: What year was this?

JW: That would be about 1960, or 1961 at the latest.

HT: How did the '60s underground publishing scene first happen?

JW: Probably Walter Bowart, singly, and the people who did the *Oracle* in San Francisco were the major influences. You see, the *Berkeley Barb* in San Francisco and the *LA Free Press* and the *Village Voice*—all of which predated the *East Village Other*—had all done old, hot-type printing. Bowart realized that once you started printing offset, you were released from linear constraints—you didn't have to print a paper looking like other papers. You could do it any shape and any size.

HT: What about Ed Sanders? John Sinclair (see July 1988 *HIGH TIMES*) seemed to think he was the first underground publisher.

JW: I knew Ed from the early *Village* days in the late '50s when he and Tuli (Kupferberg) had the East Side Bookstore over on 383 East 10th Street, and he was putting out *Fuck You*, which was this mimeographed magazine on

around, put the camera on people without warning, ask them a few things and edit in the camera as I go along.

I started doing video when Nick Yanny, who used to do the *Tomorrow's Television Tonight Show*, had me on. I was still giving away my little paper and he said, "Why do you spend \$100 bucks giving out a paper for free when you could spend \$50 bucks and do a cable show?" So I started going into the studio and doing little bits and pieces. After a while, I got a camera and started wandering around. I began to realize that it was a very effective tool for a reporter.

I feel that what's wrong with television is perfection. Everybody wants perfection. It's rehearsed and polished and prepared and predictable and there are no surprises. When people say they're bored with television, they don't really mean they're bored with the programs, they mean they're bored with the way television is presented. It's ludicrous that a talk show should have to close down because the writers are on strike. A talk show is supposed to be

"There are two professors at Harvard and they're doing this experiment. If you want to come up and take the pills, we'll keep an eye on you."

very thick, orangy paper. He'd print up 10 or 11 issues of *Fuck You* and give them out, and put out a catalog offering these things for \$75 a set or something. And he sent these catalogs out to colleges all over the country. Of course, everybody bought them because it had all the very heavy names in the American poetry scene, like Leroi Jones—the poetry underground, I guess.

Ed was so brilliant with language that he was influential in that way, but he didn't really have much to do with the development of underground papers as such. The forerunners of underground papers were really more like Paul Krassner (who started *The Realist*). **HT:** Do you think there's an underground movement left to talk about today?

JW: There are always people working underground, except that at this particular time, there isn't any sort of cohesive unit or united sort of exchanging things and doing the same stuff. I'd like to set up some kind of an organization so that we could all swap (video) tape all over the world. But it's very hard to do something like that.

I just plug away. I basically do video like I've always been a writer. I wander

about people talking, you know?

Conversation, not people who learn a script!

The reason this is on my mind is that on my own show, I did a rap the other day about, "There are two kinds of people concerned with television—the people who make television who think that it doesn't work unless it's perfect, and the people who watch it, who don't give a damn." I mean, if it's interesting, people don't care if the color's a bit off or the sound's not quite clear.

What I find really ironic is that people who make television are beginning to divine that people want reality. So what they're giving them now is pretend reality.

HT: Like that soap opera/cop show, *The Street*?

JW: Right. And doing commercials that look like they're done with an amateur's camera, with shaking and all the rest of it. Yet it costs half a million to produce. I mean, if I wasn't so old and so used to this thing, I'd be amazed. But I'm not amazed because that's the way commerce is. It decides what somebody wants and then gives them an imitation of it. ●



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PLANT DOCTOR

continued from page 39

"Another plant, the Cua-Cua, is similar, but does not last as long. For this, you rub your hands with the leaves and then touch someone. The plant works through the skin and whomever you touch will be in your power for eight days. I have performed that amusing experiment many times, once even on my wife. After eight days she hated me. She knew what I had done when, during that time, she tried to do something and I told her not to do it, and she couldn't. Some of these plants are very dangerous that way.

"Some of my other plants are more practical. The Pidi-Pidi is one. I have 24 kinds of Pidi-Pidi on my land. The ones here are all prepared the same way. You boil the bulb in half-a-liter of water for ten minutes and then drink the extract. One of these is good for fertility in both men and women. Another is good for a permanent contraceptive. A man who drinks that extract will be sterile, and with no side effects whatsoever. That is one plant the Japanese are very interested in. For a woman, she must drink it after she menstruates; then she will have no more babies. No pain, no side effects, and you only drink it once. My wife drank it after we had had enough children and that was twenty years ago. The other Pidi-Pidi that I have here is used to help bald people grow hair; not really grow, just bring the scalp back to life. In your country there are some products which contain a little of this extract. Other Pidi-Pidis cause hallucinations and are good for healing internal wounds.

"There are so many plants to study. So far I have discovered two hundred and fifty new plants for curing alone. Plants for the skin, for the liver, for epilepsy, for diseases of the pancreas, contraceptives. . . I have teas for syphilis, plants to cure hepatitis, others to stop the pain of childbirth—and there are many people who have discovered other plants, tribes in the jungle and in the mountains each have their own medicines. There are so many plants for different things that we will never investigate them all. Did you know that the plants the Indians use for building their houses are medicinal? Did you know that there are magnetic plants?

"The field of conversation we are touching on is so broad that I would need too much time to tell you more. There are also things I hesitate to tell you because I don't know you both very well. I have to protect my plants because they can be used in the wrong way. They can be abused by the wrong people and so I must be cautious, but if you will come back for a month and come to my land we will talk more; you will use my plants and learn about them. You will not believe everything until you have seen it, so you must come back to study. If you like you could come in April, when the San Pedro blooms."

With that, Dr. Arroyo announced that he had another engagement and left us to ponder his plants.

I can hardly wait until April. ●

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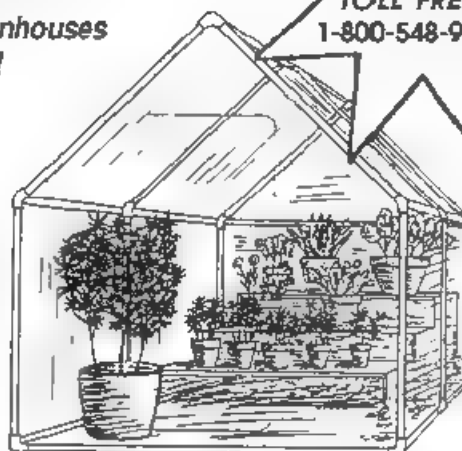


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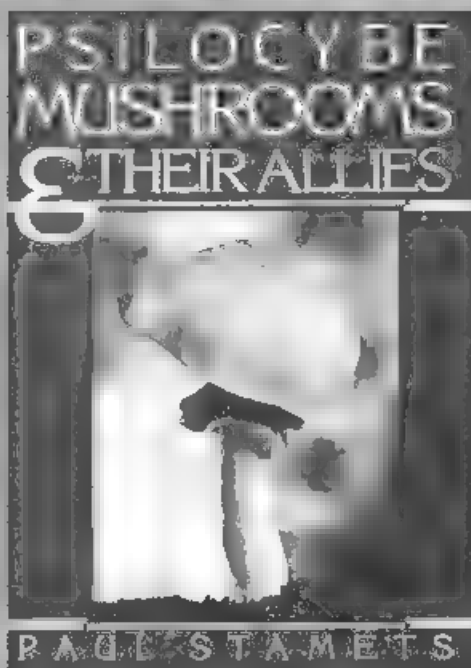
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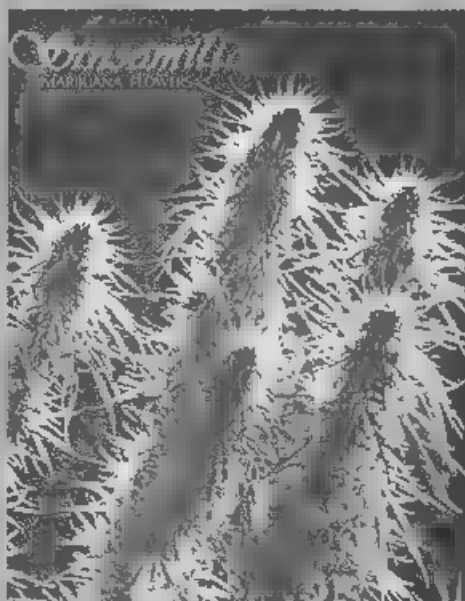
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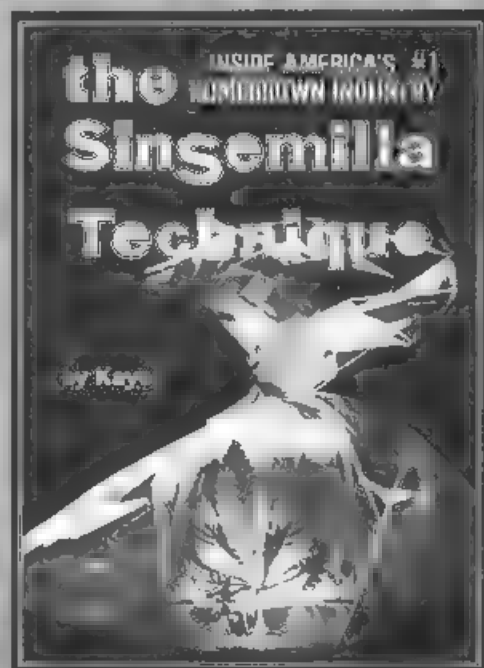
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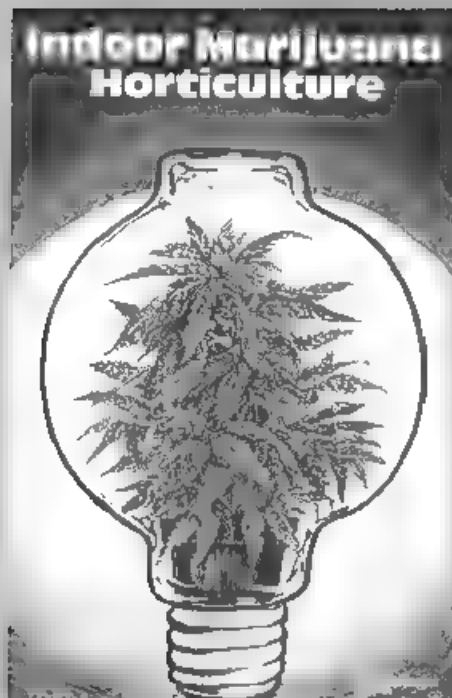
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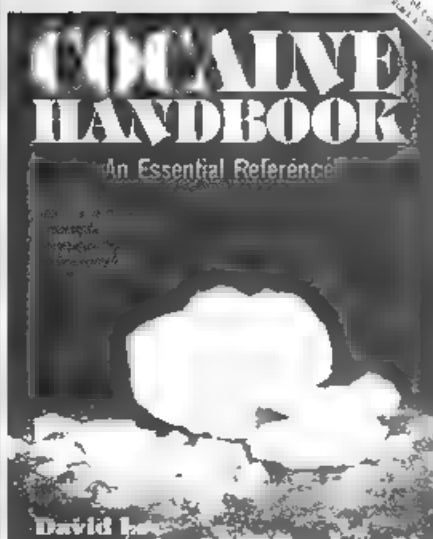
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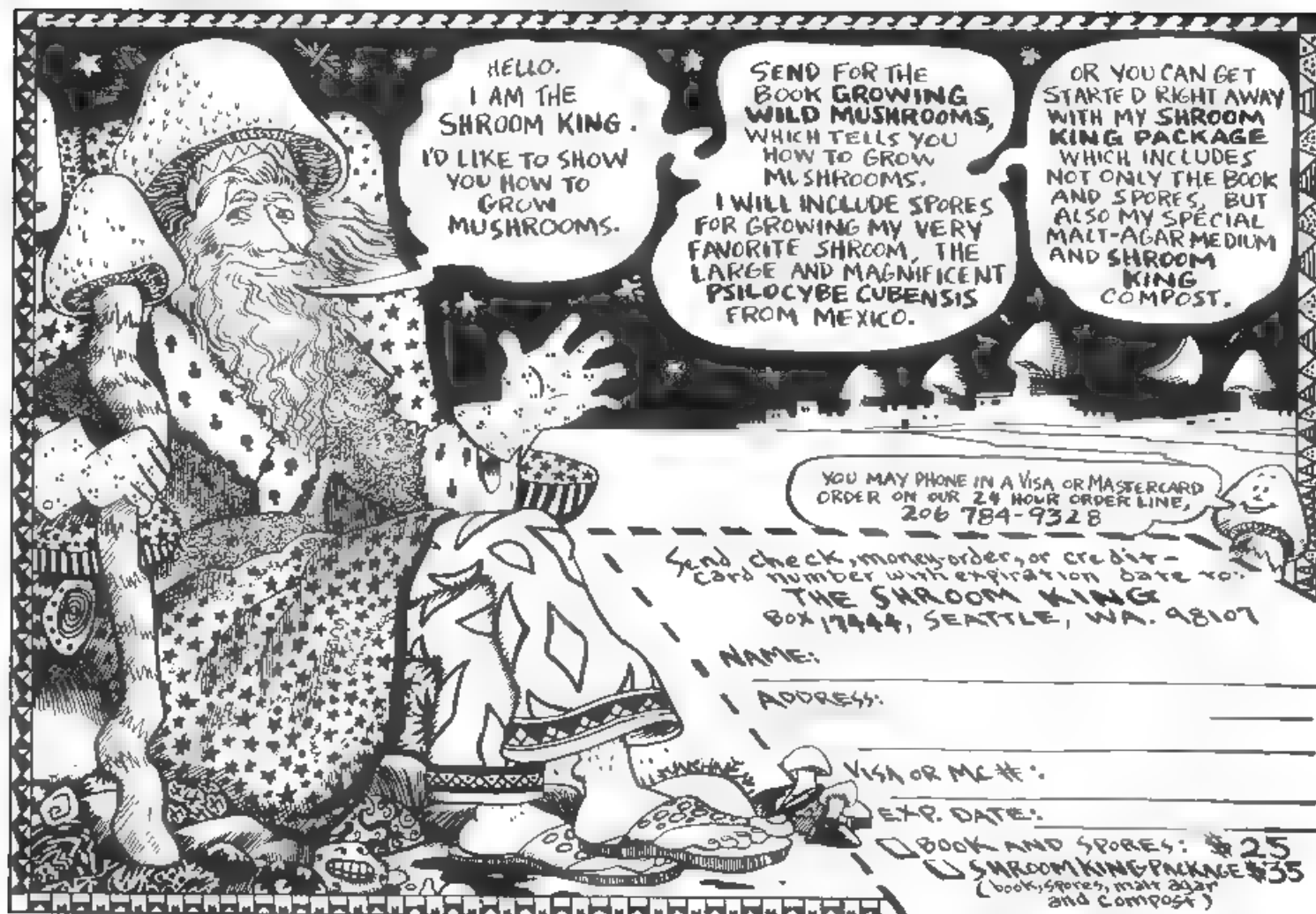
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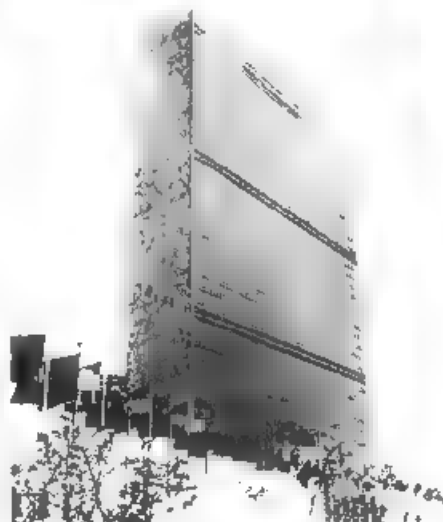
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• **"NORML Comes To Your House,"** a transcript of testimony presented by Marvin D. Miller, Esq., on behalf of NORML before the House Select Committee On Narcotics Abuse and Control.

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Ask-ED

continued from page 73

SINGLE BUD FROM SEED?

Dear Ed,

Is there any way I can grow a plant from seed into one long bud?

—T-Bolt

Charleston, SC

Put the plant into flowering when it is below a foot tall with no branching. Side branches can be clipped off.

CAN THEY TAKE THE HOUSE?

Dear Ed,

My wife and I have worked hard for years to purchase our first house. If we are raided with a garden cultivating less than a pound, can the government seize our home?

Thank you,

—Sincerely Dazed and Confused

Under federal law, a space where manufacturing drugs (growing marijuana) takes place can be seized, no matter whether there was intent to sell or not. Local seizure policies vary.

IONS ADEQUATE?

Dear Ed,

I am starting up a 10' x 10' room. I have all the details worked out but one—the odor I plan to have a negative ion generator in the room itself and then vent the air into the attic. Is this adequate?

Thanks,

—S

Sulphur Springs, TX

Yes.

HOW TALL DO CUTTINGS GET?

Dear Ed,

Recently one of my friends told me that if you flower a 12" cutting under high pressure sodium (HPS) light, it would stretch out to four feet at maturity. Another friend told me that he flowers the cuttings when they are 10" tall and they only reach a height of 24" when they are mature. Could you please straighten this out for me?

—Confused

Michigan

It is not primarily the light, but the genetics that determines how a plant responds to early flowering. Many sativas continue growing, so they get rather tall, even when flowered at a very short size.

continued on page 87

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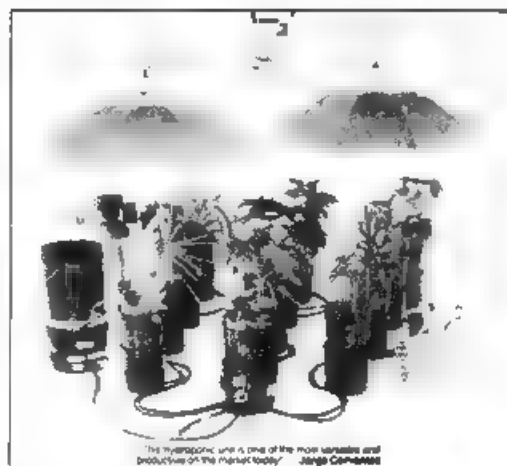
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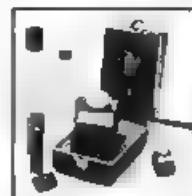
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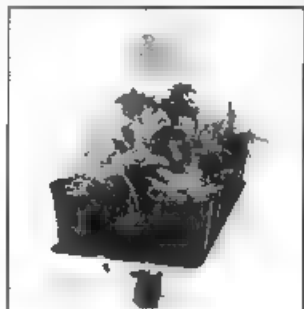
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W A N T E D

6. LEFT THUMB



7. LEFT INDEX



8. LEFT MIDDLE



9. LEFT RING



10. LEFT LITTLE



An arrest for marijuana can be a devastating experience, not just for the victim, but for the family and friends as well.

Even those who don't go to jail can face an arrest record, probation, urine testing, property confiscation and the humiliation and shame associated with a trip through our criminal justice system.

Unfortunately, people **ARE** going to jail for marijuana. And the numbers are increasing. A community social worker in Texas was just sentenced to 60 days in jail and fined \$1500 for possession of 2/10th's of a gram of marijuana. It was her first offense.

These people need our support.

NORML provides legal referrals and assistance, credible information about marijuana and the reassurance of moral support. We need your help!

If you or someone in your family has been arrested for marijuana, please write us about your experience.

If you or someone in your family has submitted to a random urine test and lost their job due to an inaccurate result, please write us about your experience.

If you have not yet been arrested or urine tested for marijuana, please help us help the victims while we work together to prevent it from happening to you!

Please send a generous donation or join NORML today!

1. RIGHT THUMB



2. RIGHT INDEX



3. RIGHT MIDDLE



4. RIGHT RING



5. RIGHT LITTLE



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ASK ED

continued from page 85

STRESSING FEMALES

Dear Ed,

I have a tip for your readers. Interrupt the light cycle of a sexed female by increasing the light period to 20 hours and then back to five hours. Do this several times to induce hermaphroditism. The male flowers contain pollen that will produce only female seed.

Keep on tokin'

—Potted

Ithaca, NY

LONGER DAYS FOR FLOWERING

Dear Ed,

While doing research for my indoor garden I came across some information on photoperiod and flowering that confused me. All of your information that I have read recommends 12-on/12-off for the lights. I understand this.

In the May '88 issue of HIGH TIMES, Dr. Indoors states, "The light at this cycle will be set to give 12 hours of complete dark to the plants. The day cycle can be set at any amount of time from 12-48 hours. The plants need 12 hours of dark to insure proper flowering." Could you please explain this to me? I thought that more than 12-16 hours of continuous light would force the plants back into the vegetative state.

—The Munk

Christopher, IL

Marijuana measures the number of hours of uninterrupted complete darkness, not the number of hours of light. Some growers have been experimenting with a longer light-cycle, while keeping the dark period at 12 hours. They say that this increases total bud growth.

Multi-day timers can be used to extend the light period. They are available at some grow stores.

• I welcome comments, tips, and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed HIGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud Plant, and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, *Marijuana Growers Handbook*, Indoor Greenhouse Edition.

• By submitting your photograph(s), you hereby grant permission to publisher to reprint the photograph(s) in HIGH TIMES magazine as well as any other Trans-High Corporation publications.

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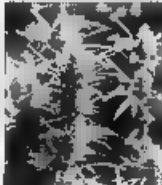
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TIMES



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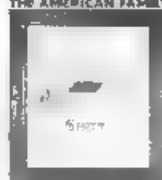


April 1984 No. 104

Rise and Fall of an American Gun Hero: Michael Bloomfield, Bill Haley, The Daddy of Rock n' Roll, James Lee and the Elixir of Life, The Paqual Papers, Confessions of a Bruce Lee Fanatic.
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HIGH TIMES

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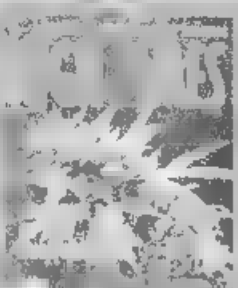
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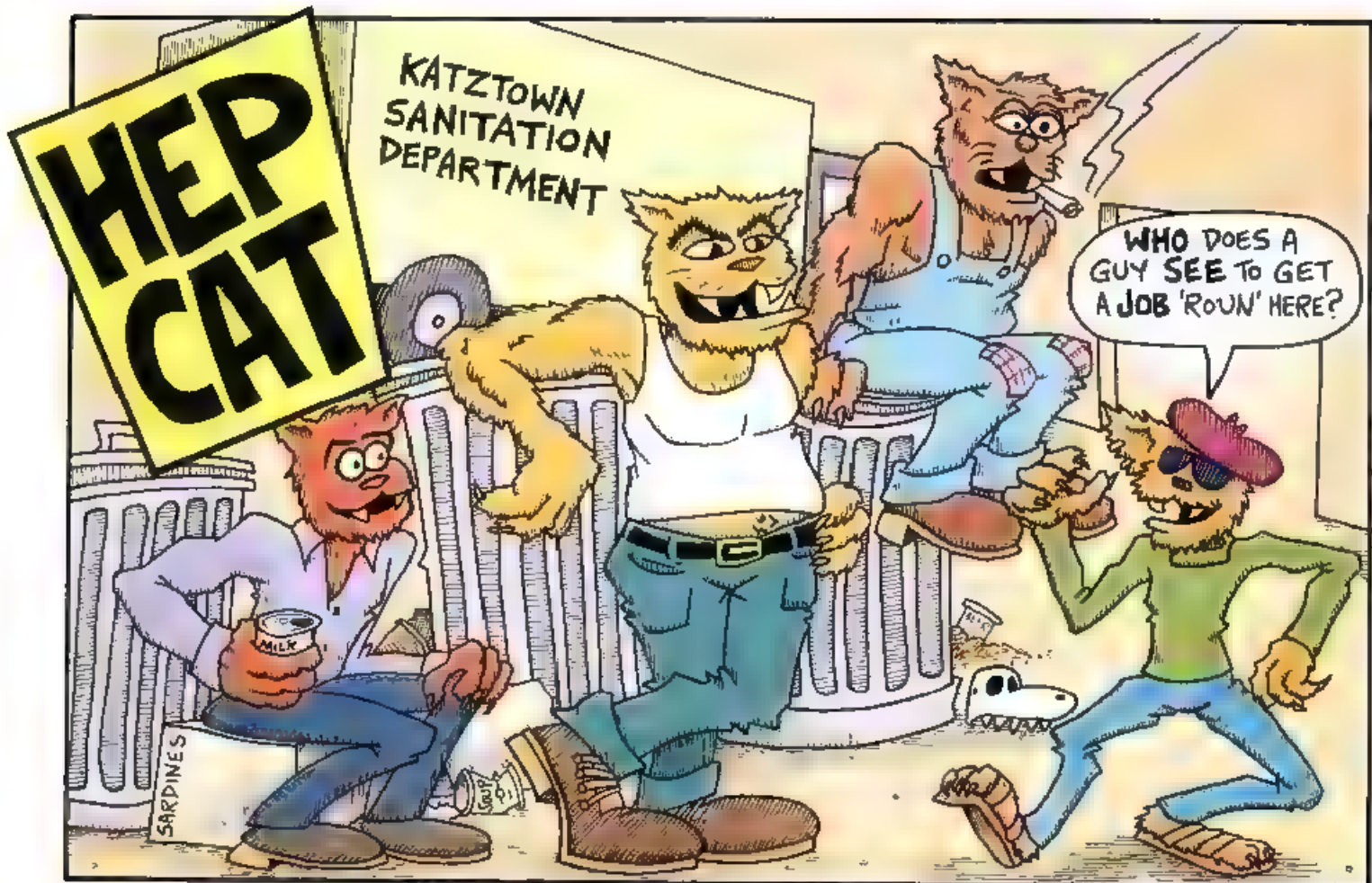
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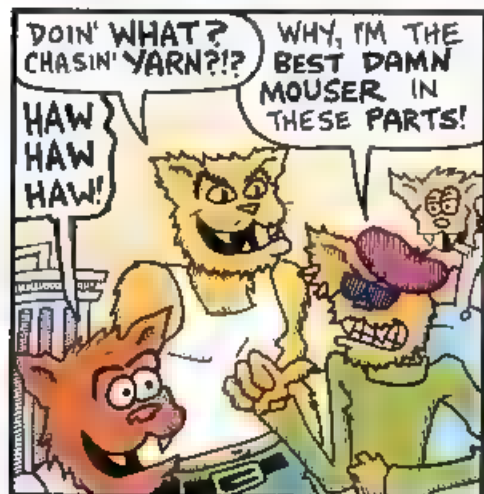
NORMLTHON

by Rick Berman

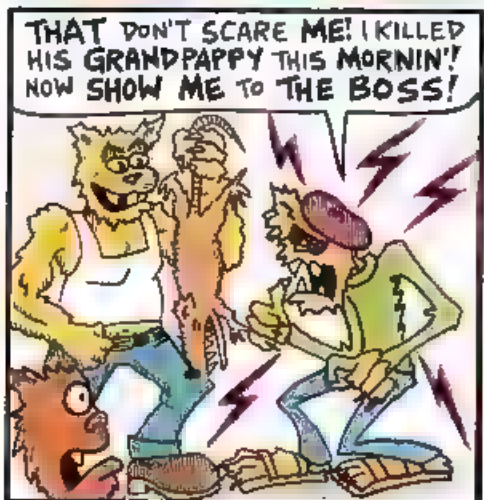


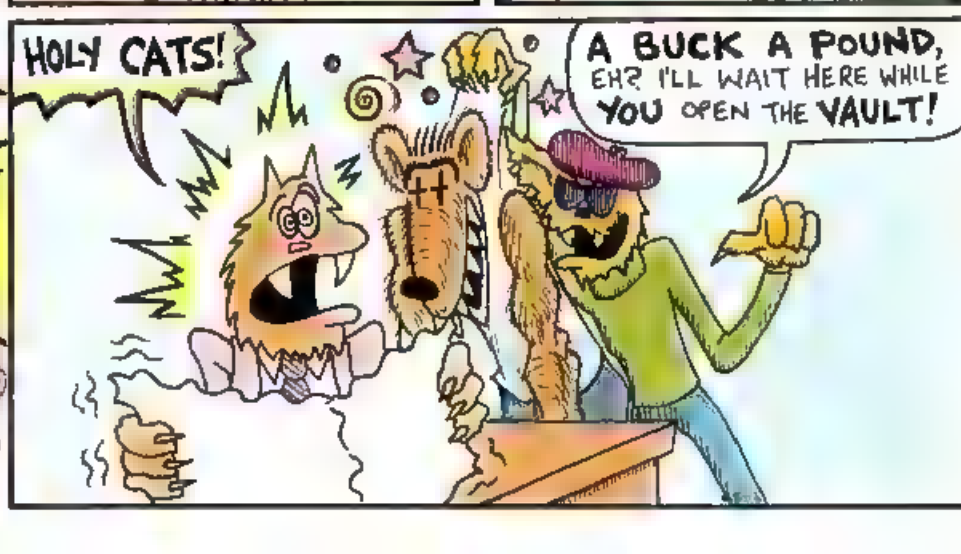
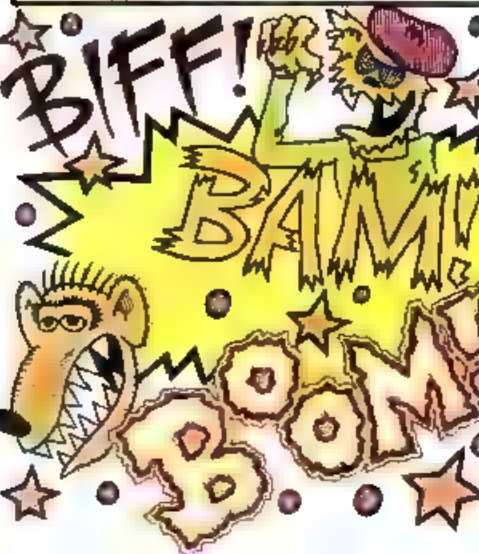
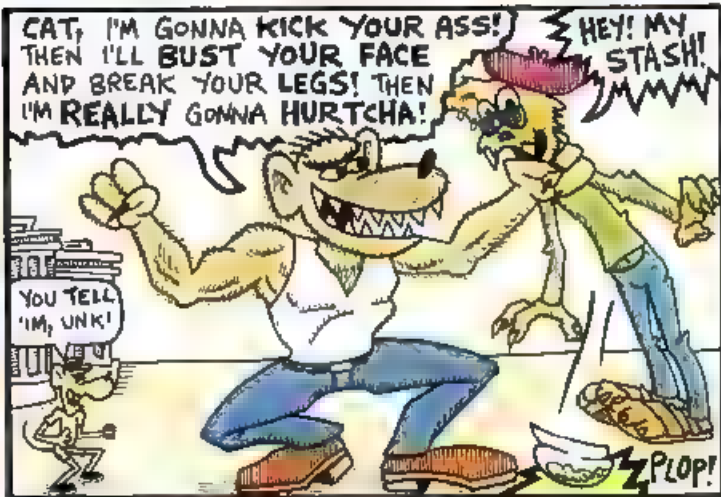
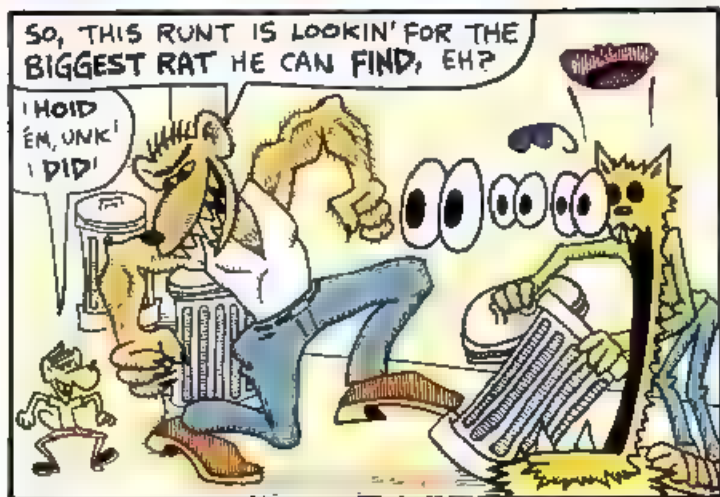


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WHY, I'M THE BEST DAMN MOUSER IN THESE PARTS!







MOVIE STAR NEWS

MAMIE VAN DOREN'S LSD ORGY

Sex goddess Mamie Van Doren appeared in 36 movies during her long career, including *High School Confidential*, *Untamed Youth*, *Ain't Misbehavin'*, *Sex Kittens Go to College* and *The Beat Generation*. Today, Mamie's enjoying a massive comeback. Rhino Records has issued a compilation of her movie music (*The Girl Who Invented Rock 'n' Roll*), she stars in Dweezil Zappa's video "My Guitar Wants to Kill Your Mama," and the paperback edition of her book, *Playing the Field*, has just hit the shelves (written with Art Avallhe, published by Berkeley, \$3.95). In it, she chronicles her rise and

fall as one of Hollywood's Blonde Bombshells. Mamie also describes her wild nights hanging out at the Whiskey à Go-Go, where she ran into a couple of Beatles getting completely drunk with Jayne Mansfield, and her LSD trip with Steve McQueen. Although the experience was a lot of fun (why not?—it was the finest Sandoz sunshine!), she tried LSD just once. She attempts to describe how it felt to have sex with Steve McQueen on acid.

"I could feel the crinkle and crush of the bedspread beneath us as we lay in a tangle of arms and legs, creating our own special tempo, our own frantic rhythms.

From the haze of our lovemaking I could hear music in the house, guitars mimicking the beat of our bodies. My own voice, as I cried out, sounded as though it was someone else's. I was a marionette speaking in another language. I am your dancing Mamie doll. Dancing. I am your you me you you me me."

Uh, yeah, right. *Playing The Field* also details Mamie's early experiences with marijuana and her flings with Johnny Carson, Burt Reynolds, Joe Namath, Rock Hudson (believe it or not) and a host of others. For an inside look at the development of pop culture from the '50s to the '70s, mixed up with heaping doses of sex, Mamie's book can't be beat. ●

TWISTED IMAGE by Ace Backwords @TME



TAPEWORM

by JIM POLING



What are the best video releases of the year? With rental rates dropping to less than the cost of a bottle of beer, it's safe to take a chance on whatever you want, and ignore such relative and definite terms as "best". Those titles of very special interest (some previously covered in these pages), I'd like to recommend again, include Sam Peckinpah's absorbing and violent road movie *Bring Me The Head of Alfredo Garcia* (with rebel Warren Oates' most ingratiatingly sleazy performance); Stanley Kubrick's *Full Metal Jacket* (the only left wing feature among the current Vietnam bunch); Josef von

Sternberg's opium-seeped melodrama, *The Shanghai Gesture* (Hollywood rarely got this subversive and decadent); Paul Morrissey's original and still wildly funny drug-culture classic, *Trash*, *Anguish* (Key) and *Near Dark*, two curious, sardonic, bloody, and unsung horrors; Ralph Bakshi's trenchant, animated, urban satire, *Streetfight*; John Huston's unsentimental *Fat City* (Hollywood's most accurate look at losers and loners), Samuel Fuller's brutal *Underworld U.S.A.* and Vincent Price in Michael Reeve's graphic and brilliantly unpleasant film, *The Conqueror Worm*



Gene Tierney in *The Shanghai Gesture*.



Grant Williams in *The Incredible Shrinking Man*.

GATES OF HEAVEN

☆☆☆☆

Directed by Errol Morris

What begins as a study of a pet cemetery from which hundreds of pets were exhumed for construction work, becomes a study of the obsessive pet owners, and then shifts again to be a movie about middle-class dreams, mortality, and American ideology. Morris has been accused of laughing at these people, but actually, derision comes from the audience, most of whom seem to feel superior to these befuddled, occasionally odd pet owners. Most remarkable is a crippled woman whose sadness over the closing of the cemetery gives way to a string on nonsequiturs on cars, her son, and that "tramp" he married (RCA/Columbia)

THE INCREDIBLE SHRINKING MAN

☆☆☆☆

Starring Grant Williams and Randy Stewart. Directed by Jack Arnold.

Of all the "shrinking", "colossal", "puppet people" and "amazing 50 ft." wonders of '50s SF this was the only one to consider the sexual problems of abnormal growth. Radioactive Williams seeks out a midget for companionship and, after shrinking further, is kept alive by his wife, and housed in a dollhouse. His manhood disappears completely and everything becomes threatening. The ending is an almost spiritual surprise. (MCA)

HAIRSPRAY

☆☆☆☆

Starring Divine, Ricki Lake, Deborah Harry, Pia Zadora, and Sonny Bono. Directed by John Waters. (1988)

Waters knows how to shoot a musical—this is the most entertaining one since *Viva Las Vegas* and the first in years with complete dance numbers ("The Madison" is perfectly choreographed) and no distracting cutaways. Waters didn't smooth out his sensibilities with this commercial success, but expanded them, and his innumerable talents have never been put on better display. The dancing and collection of forgotten pop songs from the '60s are incomparable. In the case of Toussaint McCall's "Nothing Takes the Place of You", Waters is actually sentimental, and with great success (RCA/Columbia)



Jean Seberg makes out.

BONJOUR TRISTESSE

☆☆☆☆

Starring Jean Seberg, David Niven, and Deborah Kerr. Directed by Otto Preminger. (1958)

This personal (and rather perverse) film exposes the lives of the rich and shallow on the French Riviera. Seberg, with her affection for Daddy Niven, is prime for the analyst's couch; her free time is spent tanning and trying to break up an affair between her father and Kerr. It might read like a soap opera, but Preminger's approach is unique. There isn't a moment in the movie—and that includes the tragedy that ensues from these self-destructive relationships—that is emotional or moving. It's a very cold movie, and not until it's over do you feel the chill (RCA/Columbia)



Rival mother-daughter dance teams face off in John Waters' Hairspray. Left to right: Colleen Fitzpatrick, Debbie Harry, Divine, and Ricki Lake.

WRITTEN ON THE WIND

☆☆☆☆

Starring Robert Stack, Dorothy Malone, and Rock Hudson. Directed by Douglas Sirk. (1956)

An archetype for the '50s melodrama, brash jukebox colors, nymphomania, murder, alcoholism, and passion—lots of passion, and all of it ill-spent, this is a movie about Texas oil tycoons where derricks become symbols for erections (sex-hungry Malone strokes miniature ones, loves the sound of the "pumping", and moistens her lips when the gushers come). It is a plum bit of movie immorality and a major influence on both John Waters and Rainer Werner Fassbinder. (MCA)



Cathy Moriarty

WHITE OF THE EYE

☆☆☆☆

Starring David Keith and Cathy Moriarty. Directed by Donald Cammell. (1988)

Cammell, who directed Mick Jagger in *Performance*, delivers what is unquestionably the most unique thriller in decades, serial killings, domestic drama, and a disembodied head stuffed under the bathroom sink. The situations are so bizarre that

on the surface you don't realize how naturally it's being played yet with it's morbidly apt humor, the film features some of the driest sarcasm ever uttered in the face of mortal disaster (Paramount)

A WALK ON THE WILD SIDE

☆☆☆☆

Starring Jane Fonda, Barbara Stanwyck, and Laurence Harvey. Directed by Edward Dmytryk. (1962)

Roundly hated in 1962 (the better reviews called it "lurid") *A Walk On The Wild Side* has raked up something of a reputation. Fonda, in her pre-awareness stage, is the slutty prostitute, Kitty Twist, who can't stop pressing her breasts against the rest of the cast, including Stanwyck, the lesbian madame. Compulsively watchable and dirty, this New Orleans-based hothouse movie was based on the novel by Nelson Algren (RCA/Columbia) ●



Joe Dallesandro in Trash.

PSYCHOTRONIC

by MICHAEL J. WELDON

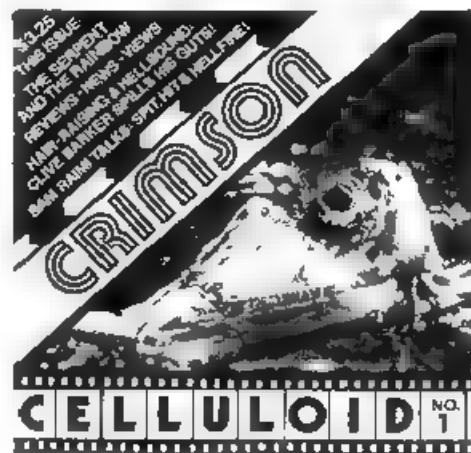


From the mail I've received, it looks like a lot of you HIGH TIMES readers are now warping your brains even more by subscribing to movie/video fanzines and newsletters. If you're spending time trying to find the tapes you read about in *Ecco*, *Gorefest* or *Slimetime*, chances are you're hooked. There's no turning back now. You might as well choose another title from this column, send in your few bucks and degenerate even more. Prepare yourself for the 1990's!

The Shock Review—I like this one because the newest issue (#5) has reviews of 14 trashy videotapes and finds space to tell me some facts I didn't know in articles. There's part two of a well researched video history of Spanish horror/sex exploitation king Jesse (Jesus) Franco, the guy who was responsible for *Succubus*, *The Awful Dr. Orloff* and nearly 150(!) other European co-productions. Editor Tom Stockman also discusses the glut of buddy cop movies released in '87, and along with the more predictable horror movies, reviews two features about Charles Bukowski. Original artwork is featured. I prefer rare ad art in my fanzines, but you can't have everything \$4.00 will get you six bi-monthly issues. Write to Stockman at 1435 Sproule, St. Louis, MO 63139. (By the way, contributing writer Tim Mayer used to publish *Fear Of Darkness*, an early '80s 'zine from Columbus, Ohio, that I neglected to mention in the first installment of this series of columns.)

Some fanzines show the youthful enthusiasm of the writers, telling as many people as possible about the cool videos they've seen. Others show a mature,

knowledgeable approach to even the most disgusting movies. A few are more concerned with real life depravity and mass murderers. *A Taste Of Bile* is the sickest fanzine I've seen so far. Besides a few (pretty good) video reviews, *Taste* #5 has articles about the Accused ("Gods of Splatterrock"), a page of pictures of mass murderer Ted Bundy, and two articles about



other notorious human monsters. Mass killers and their exploits can be fascinating (and provide material for network TV movies), but I doubt if you'd want any females that you care about to see you reading this 'zine. Editor Keith Brewer doesn't accept subscriptions, but issue #4 is \$2.50, and \$3.00 will bring you #5 which will contain "tons of fucking dehumanization." PO Box 7150, Waco, TX 76714-5150.

The next three titles are actually magazines, with heavy stock covers and high quality paper.

Crimson Celluloid used to be a newsletter. Now it's a 28-page magazine. It still comes all the way from the home of *The Road Warrior*, but I think they'll send you a copy for about five bucks. Articles are pretty typical (Clive Barker, *Evil Dead II*) but the reviews include interesting new info on videos from Australia and Southeast Asia. If you're a collector, *Crimson* is also a good source for posters, other magazines, books and stills (a catalog is \$1.00). Find out what people on the other side of the world think. Write to David Nolte, PO Box 551, Darlinghurst, NSW 2010, Australia.

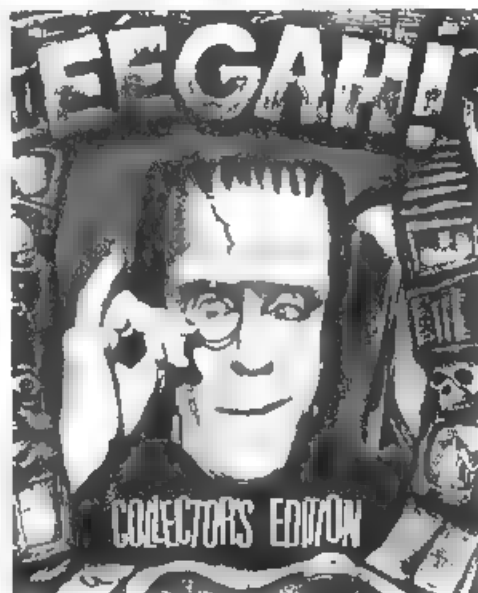
I had planned to review a great mag called *Magick Theatre*, but unfortunately its editor, Raymond Young, has stopped publication for some reason and started a new 44-page effort called *EEGAH!* (the name of a '60s movie about a lovesick giant

caveman) *EEGAH!* is fun, with articles about a guy who collects Munster memorabilia, and Playboy Centerfolds who were in movies—but it's just nowhere near as worthwhile as *Magick Theatre* was. *EEGAH!* #1 is \$3.00, but better yet, order *Magick Theatre* #8 (the last issue) for \$5.95, and read one of a kind articles on actor-director Bruno VeSota and the incredible 1953 movie *Daughter Of Horror*. PO Box 523, Lynbrook, NY, 11563.

Crow (#25) is more like a book than a magazine. Its 134 unique pages cover everything—from music (Mekons, Butthole Surfers etc.), to all kinds of books, videos and TV shows, and features extensive directories telling you where to order hundreds of other publications from. Editor Bill-Dale Marcinko started a magazine called *Afta* way back in the seventies and finally (with *Crow*) has been receiving some attention (and even newsstand sales). Articles or reviews about *Brain Damage*, *The Fly*, and *From Beyond* are mixed with topics absent in other zines I've mentioned (like AIDS, the real life horror that has been the "inspiration" of many recent horror movies). If all the opinions and info in one issue aren't enough, there's 14 more pages available on request that the printer refused to print! The extra section contains mostly reviews of porno (straight and gay) movies. For some challenging thoughts and a lot of reading, send \$4.00 per issue to *Afta Press*, PO Box A, Wharton, NJ 07885. A subscription is \$19.95 for six issues.

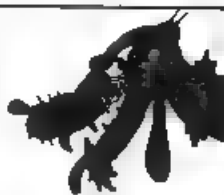
If you publish a fanzine or newsletter that reviews movies or videos (no all-music 'zines) send a copy to me at HIGH TIMES and it'll appear in a future issue. Some other publications that I have first (and only?) issues of are *Vidiot*, *Grindhouse*, *Zontar* (from Denver, not Boston), and *Hollywood Book And Poster News*. I'll review them if I find out they're still happening. Meanwhile, keep the American postal system busy delivering more subversive material of questionable taste. ●

CROW



HOUND'S EYE

by JAMES MARSHALL



Edd "Kookie" Byrnes.

WRECK THE HALLS... I guess everybody loves Christmas records. I love Christmas records, and I hate Christmas. Not many rock 'n' rollers make Christmas records anymore, I don't know why, we live in a world where great things once abundant are now scarce. The most recent Xmas disc I bought and liked was Spinal Tap's "Christmas with the Devil." Used to be everyone made Xmas discs—Elvis, Chuck Berry, Jerry Lee Lewis (one of his few non-LP sides, "I Can't Have A Merry Christmas Without You"), etc. If you want to have some fine and dandy vintage Yuletide sounds it's probably easier now than ever because a slew of Christmas re-issue discs has hit the market over the last few years filling us with noise both familiar and obscure, my own recommendation is to make your own custom Xmas tape to to annoy the family at dinner/gift openings/egg nog guzzling or the ever popular hide-the-joint-from-Mom backyard take-down.

For a label owned by two Jews, Rhino Records certainly has plenty of Christmas spirit. They put out *Rockin' Christmas*. The '50s (featuring such amazing artifacts as the Youngsters' "Christmas In Jail" and the Hepsters' "Rockin' and Rollin' With Santa

Claus" and *Rockin' Christmas*: the '60s, with my all-time top raunchy Xmas favorite, the Sonics' "Don't Believe in Christmas". These two LPs came out two years ago, followed up last season by the equally excellent *Cool Yule*. This year comes a whopping four volumes—*Cool Yule vol. 2* (w/more Sonics', this time "Santa Claus"), *Hillbilly Holiday*, a great selection of honky-tonky Xmas classics, including my old pal, Buck Owens, and a straight re-issue of the 1963 *Philles A Christmas Gift for You* a/k/a *The Phil Spector Christmas Album* in which the once great wall of sound genius (Phil Spector that is) applies his top acts to the yuletide theme with predictably stunning results—the Ronettes, the Crystals, Bobby Sox and the Blue Jeans, and especially Darlene Love (whose "Please Come Home For Christmas" is a supercharged Wagnerian bombast of emotional overload and one of the five best-ever Spector-productions).

The legendary R&B/jazz/gospel label Savoy of Newark, NJ has a great



Elvis Presley.

Xmas package on the market—Mr. Santa's *Boogie* featuring a good cross section of R&B (Big Maybelle bellowing out "Silent Night" for example), jazz (how 'bout Charlie Parker riffing five minutes worth of "White Christmas"), rockabilly and doo-wop sounds. The much sought-after Stax Xmas LP—*Soul Christmas* is long out of print in America, but Canadian Atco has it, and a good record import place should stock it. All the Stax greats are represented: King Curtis, Otis Redding, Booker T & the MG's, but Clarence Carter takes the reindeer turd with his astounding "Back Door Santa" ("I ain't like old St Nick, he only come but once a year, heh, heh, heh...") and you shouldn't oughta miss this one. *Rhythm & Blues Christmas* (United Artists) is a bargain bin staple at Xmas time in K-Mart's coast to coast and it's a good 'un with classics by Chuck Berry, Amos Milburn, Clyde McPhatter & the Drifters, Marvin & Johnny and more, and it won't cost you much either. On the same note *Merry Christmas Baby* (King/Gusto) rounds up 16 R&B yuletide hits, emphasis on the sublime with Johnny Moore's 3 Blazers, the Dominoes, Charles Brown, Bull Moose Jackson and Freddie King as standouts. MCA has ranted the vaults from various labels it now owns (and often maligns...) but their rockin' Xmas disc has some goodies, especially inane and worth hearing is the Eternals' "Christmas In the Jungle", a big holiday request item on my radio show.

If you're someone with some archaeologist in you, then you might want to look for these to round out your rock 'n' roll Xmas tonalization: Huey "Piano" Smith & the Clowns—*'Twas the Night Before Christmas* (Ace), a fantastic rollicking R&B Xmas stomp, New Orleans-style; Bob Seger & the Last Heard—"Sock It To Me Santa" (his best Mitch Ryder imitation, you wouldn't even know it was old jowl-face and not Mr. Devil w/the Blue Dress if I didn't just tell ya); Hank Ballard & the Midnighters' "Santa's Coming" (King), Clyde Lasley—"Santa Got Drunk"; Edd "Kookie" Byrnes—"Yulesville" (hep-tait reciting of the "Night before Xmas" that'll leave you lingo lovers speechless); Sonny Boy Williamson—"Santa Claus", *The Beach Boys Christmas Album* and of course Elvis' immortal "Santa's Back In Town" ("ain't got no slaving reindeer/no sack on my back/you gonna see me comin'/turn out the light/Santa's comin' down your chimney to—night!"), so Merry goddamn Christmas, it only comes once a year. ●

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THE 1988 NORMLTHON

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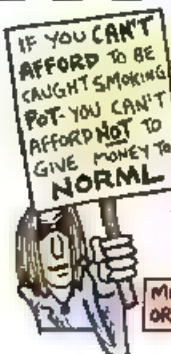
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LU1000, 140,000 lumens	69.00
LU400, 50,000 lumens	45.00
LU150, 16,000 lumens	32.00

HIGH PRESSURE SODIUM CONVERSION:

940W, 140,000 lumens	139.00
360W, 50,000 lumens	69.00

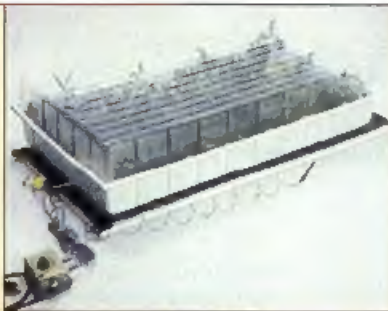
FLUORESCENT TUBES:

24" Gro Lux	7.95
24" Vita Lite	12.50
48" Gro Lux	9.95
48" Vita Lite, Power Twist	13.95

■ EBB-FLOW SYSTEM \$39.00/Module*



Includes: 44" x 24" Tray & Irrigation System
*(Benching, Pump, Timer & Reservoir purchased separately)



PROFESSIONAL PROPAGATION SYSTEM \$169.00

Includes: 1 - 44" x 24" x 11" Propagation Dome, 2 Pro Heat Mats, Thermostat w/ Remote Probe & 1qt Cloning Solution

■ REFLECTORS

(Polar white finish on all, sockets included)

22" Round	24.95
44" Conical	39.95
48" Parabolic	54.95
84" Parabolic	169.95
Horizontal HPS	49.95
Horizontal MH	54.95

■ LIGHT MOVERS

4" Light Track	99.00
6" Light Track	99.00
1LS Sun Circle	139.00
2LS Sun Circle	199.00
3LS Sun Circle	259.00

■ HYDROPONICS

HYDRO-FLO I 265.00
Inc: 6 trays, 36 one gallon pots, reservoir, pump, timer, filter, irrigation, rockwool, nutrients & pH Control

Expansion Module 16.00

HYDRO CELL II 250.00
Inc: 12 two gallon cells, reservoir, pump, timer, filter, irrigation, rockwool, nutrients & pH Control

Expansion Cell 6.00

■ TEST EQUIPMENT

Digital pH Pen	59.95
Digital Dissolved Salts Pen	59.95
Combination pH & Dissolved Salts Meter	399.00
Professional Digital Light Meter	175.00
CO ₂ Tester	8.95
CO ₂ Analyzer Tubes	4.50
MIN-MAX Thermometer	12.95
Temperature Humidity Gauge	12.95
30x Light Scope	26.95
100x Light Scope	49.95

■ CO₂ SYSTEMS

Injection System, w/o tank	179.00
Injection System w/ exhaust control, w/o tank	279.00
CO ₂ Regulator/Flow Meter	79.95
DANSCO Propane Burner/CO ₂ Generator	269.00
Johnson Propane Burner/CO ₂ Generator	499.00

■ ODOR CONTROL

Zestron 700 Ionizer	79.95
Zestron 1000 Ionizer	79.95
Zestron Collector Ionizer	110.00
Zestron 3600 Ionizer	320.00
DANSCO Charcoal Air Filter	79.95
Ozone Generator for total odor removal	839.00

■ TIMERS

15A 120V, 24hr, Heavy Duty	19.95
15A 240V, 24hr, Heavy Duty	24.95
40A 120V, 24hr, Industrial	33.95
40A 240V, 24hr, Industrial	38.95
40A 120V, 1-60 minute cycle	67.95
15A 120V, 4 ON - 4 OFF, 1 minute min.	26.95

■ FANS & BLOWERS

100 CFM Axial Fan	25.95
240 CFM Axial Fan	57.95
560 CFM Axial Fan	68.95
60 CFM, Squirrel Cage	33.95
100 CFM, Squirrel Cage	38.95
140 CFM, Squirrel Cage	40.95
265 CFM, Squirrel Cage	49.95
465 CFM, Squirrel Cage	61.95
745 CFM, Squirrel Cage	128.95
980 CFM, Squirrel Cage	122.95
1450 CFM, Squirrel Cage	151.95
300 CFM, Duct Fan	44.95
425 CFM, Duct Fan	47.95
660 CFM, Duct Fan	51.95
9" Oscillating Table Fan	24.95
12" Oscillating Table Fan	33.95
16" Oscillating Table Fan	48.95
9" Wall Mount Fan	48.95
12" Wall Mount Fan	52.95
16" Wall Mount Fan	59.95

■ THERMOSTATS & HUMIDISTATS

Thermostat, heating or cooling	19.95
Thermostat, heating or cooling w/ remote probe	34.95
Humidistat 40 - 90%	47.95
Combo Thermostat-Humidistat Fan Controller completely wired with 2 outlets	109.95

■ SUBMERSIBLE PUMPS

120 GPH	36.95
140 GPH	38.95
170 GPH	39.95
205 GPH w/ float control	59.95
240 GPH	47.95
1250 GPH	67.95

■ PROPAGATION AIDS

24" x 44" x 11" Propagation Dome	49.95
48" x 11" Pro-Heat Tape	21.95
Thermostat w/ remote probe ± 1°	69.95
Woods Rooting Compound	7.95
Rootone F, 2oz	4.49
Olivia's Cloning Solution, 1 qt	11.95
Olivia's Cloning Solution, 1 gal	39.95

■ ROCKWOOL

1½ x 1½ Multi-Blocks07
2 x 2 Multi-Blocks10
3 x 3 Cube34
4 x 4 Cube48
6" x 3" Slab	4.75
8" x 3" Slab	6.25
12" x 3" Slab	9.50
45lb Repellent Bale	28.50
35lb Absorbent Bale	22.00
55lb Absorbent Bale	49.00
Full case discount of 10% on Rockwool products	

■ REFLECTANTS

4' x 25' Mylar	17.95
4' x 50' Mylar	27.95
4' x 100' Mylar	44.95
20' x 100' White Visqueen	59.95



SLAB SYSTEM \$59.00/Module*

Includes 3 - 3' x 8" Rockwool Slabs, Drip Irrigation System & Tray
*(Benching, Pump, Timer & Reservoir purchased separately)

■ BOOKS

Gardening Indoors	16.95
Beginning Hydroponics	7.95
Hydroponic Food Production	29.95
Rockwool In Horticulture	34.95

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TOTAL 10 TYPES
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TOTAL 5 TYPES
\$22.50
#31
INGREDIENTS MAY VARY



1000 100
\$22.50 | \$4.50
CODE #3
200 MGs CAFFEINE



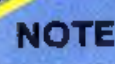
1000 100
\$22.50 | \$4.50
CODE #4
325 MGs CAFFEINE



1000 100
\$22.50 | \$4.50
CODE #8
367 MGs CAFFEINE



1000 100
\$22.50 | \$4.50
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